

The EUMETSAT  
Network of  
Satellite  
Application  
Facilities



**ROM SAF**

Radio Occultation Meteorology


## **ROM SAF CDOP-2**

### **Visiting Scientist Report 26:**

**Characterisation of radiosonde temperature biases  
and errors using radio occultation measurements  
- Supplementary material -**

**Jordis S. Tradowsky**

Danish Meteorological Institute (DMI)  
European Centre for Medium-Range Weather Forecasts (ECMWF)  
Institut d'Estudis Espacials de Catalunya (IEEC)  
Met Office (METO)

Ref: SAF/ROM/DMI/REP/VS/26 Issue: Version 1 Date: 4th July 2016	ROM SAF CDOP-2 Visiting Scientist Report 26	
---	--	---

---



---

### DOCUMENT AUTHOR TABLE

---



---

	<i>Author(s)</i>	<i>Function</i>	<i>Date</i>	<i>Comment</i>
Prepared by:	Jordis Tradowsky	ROM SAF Visiting Scientist	04/07/2016	
Approved by:	Kent B. Lauritsen	ROM SAF Project Manager	07/07/2016	

---



---

### DOCUMENT CHANGE RECORD

---



---

<i>Issue/Revision</i>	<i>Date</i>	<i>By</i>	<i>Description</i>
Version 1	4th July 2016	JT	Prepared this supplementary document to the ROM SAF Visiting Scientist report 26 (Tradowsky, 2015). This document contains a very short description of the technique used to calculate radiosonde temperature biases. Furthermore the radiosonde and radio occultation departure statistics and the temperature biases calculated for 2014 are presented for 762 upper-air sites.

#### **VS Authors**

This VS study was carried out by Jordis Tradowsky, Bodeker Scientific, New Zealand; email: jordistradowsky@gmail.com

#### **VS Duration**

The VS study was performed during September - October 2015 at the Met Office with one short visit to ECMWF.

## **ROM SAF**

The Radio Occultation Meteorology Satellite Application Facility (ROM SAF) is a decentralised processing center under EUMETSAT which is responsible for operational processing of GRAS radio occultation data from the Metop satellites and Radio Occultation (RO) data from other missions. The ROM SAF delivers bending angle, refractivity, temperature, pressure, and humidity profiles in near-real time and offline for NWP and climate users. The offline profiles are further processed into climate products consisting of gridded monthly zonal means of bending angle, refractivity, temperature, humidity, and geopotential heights together with error descriptions.

The ROM SAF also maintains the Radio Occultation Processing Package (ROPP) which contains software modules that will aid users wishing to process, quality-control and assimilate radio occultation data from any radio occultation mission into NWP and other models.

The ROM SAF Leading Entity is the Danish Meteorological Institute (DMI), with Cooperating Entities: i) European Centre for Medium-Range Weather Forecasts (ECMWF) in Reading, United Kingdom, ii) Institut D'Estudis Espacials de Catalunya (IEEC) in Barcelona, Spain, and iii) Met Office in Exeter, United Kingdom. To get access to our products or to read more about the ROM SAF please go to: <http://www.romsaf.org>.

## **Intellectual Property Rights**

All intellectual property rights of the ROM SAF products belong to EUMETSAT. The use of these products is granted to every interested user, free of charge. If you wish to use these products, EUMETSAT's copyright credit must be shown by displaying the words "copyright (year) EUMETSAT" on each of the products used.

## List of Contents

<b>1</b>	<b>Biases for all analysed RS stations</b>	<b>21</b>
1.1	WMO ID 01001 . . . . .	22
1.2	WMO ID 01004 . . . . .	23
1.3	WMO ID 01004 . . . . .	24
1.4	WMO ID 01010 . . . . .	25
1.5	WMO ID 01028 . . . . .	26
1.6	WMO ID 01241 . . . . .	27
1.7	WMO ID 01400 . . . . .	28
1.8	WMO ID 01415 . . . . .	29
1.9	WMO ID 02185 . . . . .	30
1.10	WMO ID 02365 . . . . .	31
1.11	WMO ID 02591 . . . . .	32
1.12	WMO ID 02836 . . . . .	33
1.13	WMO ID 02963 . . . . .	34
1.14	WMO ID 03005 . . . . .	35
1.15	WMO ID 03238 . . . . .	36
1.16	WMO ID 03354 . . . . .	37
1.17	WMO ID 03502 . . . . .	38
1.18	WMO ID 03743 . . . . .	39
1.19	WMO ID 03808 . . . . .	40
1.20	WMO ID 03882 . . . . .	41
1.21	WMO ID 03918 . . . . .	42
1.22	WMO ID 03953 . . . . .	43
1.23	WMO ID 04018 . . . . .	44
1.24	WMO ID 04220 . . . . .	45
1.25	WMO ID 04270 . . . . .	46
1.26	WMO ID 04320 . . . . .	47
1.27	WMO ID 04339 . . . . .	48
1.28	WMO ID 04360 . . . . .	49
1.29	WMO ID 04417 . . . . .	50
1.30	WMO ID 06011 . . . . .	51
1.31	WMO ID 06260 . . . . .	52
1.32	WMO ID 06458 . . . . .	53
1.33	WMO ID 06610 . . . . .	54
1.34	WMO ID 07110 . . . . .	55
1.35	WMO ID 07145 . . . . .	56
1.36	WMO ID 07510 . . . . .	57
1.37	WMO ID 07645 . . . . .	58
1.38	WMO ID 07761 . . . . .	59
1.39	WMO ID 08001 . . . . .	60
1.40	WMO ID 08023 . . . . .	61
1.41	WMO ID 08160 . . . . .	62
1.42	WMO ID 08190 . . . . .	63

1.43	WMO ID 08221	64
1.44	WMO ID 08302	65
1.45	WMO ID 08430	66
1.46	WMO ID 08508	67
1.47	WMO ID 08522	68
1.48	WMO ID 08579	69
1.49	WMO ID 10035	70
1.50	WMO ID 10113	71
1.51	WMO ID 10184	72
1.52	WMO ID 10238	73
1.53	WMO ID 10304	74
1.54	WMO ID 10393	75
1.55	WMO ID 10410	76
1.56	WMO ID 10548	77
1.57	WMO ID 10618	78
1.58	WMO ID 10739	79
1.59	WMO ID 10771	80
1.60	WMO ID 10868	81
1.61	WMO ID 11010	82
1.62	WMO ID 11035	83
1.63	WMO ID 11120	84
1.64	WMO ID 11240	85
1.65	WMO ID 11520	86
1.66	WMO ID 11747	87
1.67	WMO ID 11952	88
1.68	WMO ID 12120	89
1.69	WMO ID 12374	90
1.70	WMO ID 12425	91
1.71	WMO ID 12843	92
1.72	WMO ID 12982	93
1.73	WMO ID 13275	94
1.74	WMO ID 14240	95
1.75	WMO ID 14430	96
1.76	WMO ID 15420	97
1.77	WMO ID 15614	98
1.78	WMO ID 16044	99
1.79	WMO ID 16080	100
1.80	WMO ID 16113	101
1.81	WMO ID 16144	102
1.82	WMO ID 16245	103
1.83	WMO ID 16320	104
1.84	WMO ID 16429	105
1.85	WMO ID 16546	106
1.86	WMO ID 16622	107
1.87	WMO ID 16622	108
1.88	WMO ID 16716	109

1.89 WMO ID 16754 . . . . .	110
1.90 WMO ID 17030 . . . . .	111
1.91 WMO ID 17064 . . . . .	112
1.92 WMO ID 17095 . . . . .	113
1.93 WMO ID 17130 . . . . .	114
1.94 WMO ID 17220 . . . . .	115
1.95 WMO ID 17240 . . . . .	116
1.96 WMO ID 17281 . . . . .	117
1.97 WMO ID 17351 . . . . .	118
1.98 WMO ID 17607 . . . . .	119
1.99 WMO ID 20046 . . . . .	120
1.100 WMO ID 20292 . . . . .	121
1.101 WMO ID 20674 . . . . .	122
1.102 WMO ID 20744 . . . . .	123
1.103 WMO ID 21432 . . . . .	124
1.104 WMO ID 21824 . . . . .	125
1.105 WMO ID 21946 . . . . .	126
1.106 WMO ID 22113 . . . . .	127
1.107 WMO ID 22217 . . . . .	128
1.108 WMO ID 22271 . . . . .	129
1.109 WMO ID 22522 . . . . .	130
1.110 WMO ID 22543 . . . . .	131
1.111 WMO ID 22820 . . . . .	132
1.112 WMO ID 22845 . . . . .	133
1.113 WMO ID 23078 . . . . .	134
1.114 WMO ID 23205 . . . . .	135
1.115 WMO ID 23330 . . . . .	136
1.116 WMO ID 23415 . . . . .	137
1.117 WMO ID 23472 . . . . .	138
1.118 WMO ID 23802 . . . . .	139
1.119 WMO ID 23884 . . . . .	140
1.120 WMO ID 23921 . . . . .	141
1.121 WMO ID 23933 . . . . .	142
1.122 WMO ID 23955 . . . . .	143
1.123 WMO ID 24125 . . . . .	144
1.124 WMO ID 24266 . . . . .	145
1.125 WMO ID 24343 . . . . .	146
1.126 WMO ID 24507 . . . . .	147
1.127 WMO ID 24641 . . . . .	148
1.128 WMO ID 24688 . . . . .	149
1.129 WMO ID 24726 . . . . .	150
1.130 WMO ID 24908 . . . . .	151
1.131 WMO ID 24944 . . . . .	152
1.132 WMO ID 24959 . . . . .	153
1.133 WMO ID 25123 . . . . .	154
1.134 WMO ID 25400 . . . . .	155

1.135WMO ID 25428 . . . . .	156
1.136WMO ID 25703 . . . . .	157
1.137WMO ID 25913 . . . . .	158
1.138WMO ID 26038 . . . . .	159
1.139WMO ID 26063 . . . . .	160
1.140WMO ID 26298 . . . . .	161
1.141WMO ID 26435 . . . . .	162
1.142WMO ID 26477 . . . . .	163
1.143WMO ID 26629 . . . . .	164
1.144WMO ID 26702 . . . . .	165
1.145WMO ID 26781 . . . . .	166
1.146WMO ID 27038 . . . . .	167
1.147WMO ID 27199 . . . . .	168
1.148WMO ID 27459 . . . . .	169
1.149WMO ID 27707 . . . . .	170
1.150WMO ID 27730 . . . . .	171
1.151WMO ID 27962 . . . . .	172
1.152WMO ID 27995 . . . . .	173
1.153WMO ID 28225 . . . . .	174
1.154WMO ID 28275 . . . . .	175
1.155WMO ID 28445 . . . . .	176
1.156WMO ID 28661 . . . . .	177
1.157WMO ID 28698 . . . . .	178
1.158WMO ID 28722 . . . . .	179
1.159WMO ID 28951 . . . . .	180
1.160WMO ID 29231 . . . . .	181
1.161WMO ID 29263 . . . . .	182
1.162WMO ID 29282 . . . . .	183
1.163WMO ID 29572 . . . . .	184
1.164WMO ID 29612 . . . . .	185
1.165WMO ID 29634 . . . . .	186
1.166WMO ID 29698 . . . . .	187
1.167WMO ID 29862 . . . . .	188
1.168WMO ID 30054 . . . . .	189
1.169WMO ID 30230 . . . . .	190
1.170WMO ID 30309 . . . . .	191
1.171WMO ID 30372 . . . . .	192
1.172WMO ID 30554 . . . . .	193
1.173WMO ID 30635 . . . . .	194
1.174WMO ID 30673 . . . . .	195
1.175WMO ID 30715 . . . . .	196
1.176WMO ID 30758 . . . . .	197
1.177WMO ID 30935 . . . . .	198
1.178WMO ID 30965 . . . . .	199
1.179WMO ID 31004 . . . . .	200
1.180WMO ID 31088 . . . . .	201

1.181WMO ID 31168 . . . . .	202
1.182WMO ID 31300 . . . . .	203
1.183WMO ID 31369 . . . . .	204
1.184WMO ID 31510 . . . . .	205
1.185WMO ID 31538 . . . . .	206
1.186WMO ID 31736 . . . . .	207
1.187WMO ID 31770 . . . . .	208
1.188WMO ID 31873 . . . . .	209
1.189WMO ID 31977 . . . . .	210
1.190WMO ID 32061 . . . . .	211
1.191WMO ID 32098 . . . . .	212
1.192WMO ID 32150 . . . . .	213
1.193WMO ID 32215 . . . . .	214
1.194WMO ID 32389 . . . . .	215
1.195WMO ID 32477 . . . . .	216
1.196WMO ID 32540 . . . . .	217
1.197WMO ID 32618 . . . . .	218
1.198WMO ID 33041 . . . . .	219
1.199WMO ID 33317 . . . . .	220
1.200WMO ID 33345 . . . . .	221
1.201WMO ID 33393 . . . . .	222
1.202WMO ID 33658 . . . . .	223
1.203WMO ID 33791 . . . . .	224
1.204WMO ID 33837 . . . . .	225
1.205WMO ID 33966 . . . . .	226
1.206WMO ID 34009 . . . . .	227
1.207WMO ID 34122 . . . . .	228
1.208WMO ID 34172 . . . . .	229
1.209WMO ID 34247 . . . . .	230
1.210WMO ID 34300 . . . . .	231
1.211WMO ID 34467 . . . . .	232
1.212WMO ID 34731 . . . . .	233
1.213WMO ID 34858 . . . . .	234
1.214WMO ID 34882 . . . . .	235
1.215WMO ID 35121 . . . . .	236
1.216WMO ID 35229 . . . . .	237
1.217WMO ID 35394 . . . . .	238
1.218WMO ID 35671 . . . . .	239
1.219WMO ID 35700 . . . . .	240
1.220WMO ID 36003 . . . . .	241
1.221WMO ID 36096 . . . . .	242
1.222WMO ID 36872 . . . . .	243
1.223WMO ID 37011 . . . . .	244
1.224WMO ID 37055 . . . . .	245
1.225WMO ID 37259 . . . . .	246
1.226WMO ID 38064 . . . . .	247



1.227WMO ID 38341 . . . . .	248
1.228WMO ID 38341 . . . . .	249
1.229WMO ID 40179 . . . . .	250
1.230WMO ID 40265 . . . . .	251
1.231WMO ID 40373 . . . . .	252
1.232WMO ID 40375 . . . . .	253
1.233WMO ID 40394 . . . . .	254
1.234WMO ID 40417 . . . . .	255
1.235WMO ID 40430 . . . . .	256
1.236WMO ID 40437 . . . . .	257
1.237WMO ID 40582 . . . . .	258
1.238WMO ID 40582 . . . . .	259
1.239WMO ID 40650 . . . . .	260
1.240WMO ID 40706 . . . . .	261
1.241WMO ID 40745 . . . . .	262
1.242WMO ID 40754 . . . . .	263
1.243WMO ID 40766 . . . . .	264
1.244WMO ID 40800 . . . . .	265
1.245WMO ID 40841 . . . . .	266
1.246WMO ID 40848 . . . . .	267
1.247WMO ID 40948 . . . . .	268
1.248WMO ID 40990 . . . . .	269
1.249WMO ID 41024 . . . . .	270
1.250WMO ID 41112 . . . . .	271
1.251WMO ID 41169 . . . . .	272
1.252WMO ID 41217 . . . . .	273
1.253WMO ID 41256 . . . . .	274
1.254WMO ID 41316 . . . . .	275
1.255WMO ID 41640 . . . . .	276
1.256WMO ID 41923 . . . . .	277
1.257WMO ID 42027 . . . . .	278
1.258WMO ID 42101 . . . . .	279
1.259WMO ID 42182 . . . . .	280
1.260WMO ID 42314 . . . . .	281
1.261WMO ID 42339 . . . . .	282
1.262WMO ID 42361 . . . . .	283
1.263WMO ID 42369 . . . . .	284
1.264WMO ID 42379 . . . . .	285
1.265WMO ID 42397 . . . . .	286
1.266WMO ID 42410 . . . . .	287
1.267WMO ID 42492 . . . . .	288
1.268WMO ID 42647 . . . . .	289
1.269WMO ID 42667 . . . . .	290
1.270WMO ID 42701 . . . . .	291
1.271WMO ID 42809 . . . . .	292
1.272WMO ID 42867 . . . . .	293

1.273WMO ID 42874 . . . . .	294
1.274WMO ID 42971 . . . . .	295
1.275WMO ID 43003 . . . . .	296
1.276WMO ID 43041 . . . . .	297
1.277WMO ID 43128 . . . . .	298
1.278WMO ID 43150 . . . . .	299
1.279WMO ID 43185 . . . . .	300
1.280WMO ID 43192 . . . . .	301
1.281WMO ID 43279 . . . . .	302
1.282WMO ID 43285 . . . . .	303
1.283WMO ID 43295 . . . . .	304
1.284WMO ID 43311 . . . . .	305
1.285WMO ID 43333 . . . . .	306
1.286WMO ID 43346 . . . . .	307
1.287WMO ID 43369 . . . . .	308
1.288WMO ID 43371 . . . . .	309
1.289WMO ID 43599 . . . . .	310
1.290WMO ID 44212 . . . . .	311
1.291WMO ID 44231 . . . . .	312
1.292WMO ID 44292 . . . . .	313
1.293WMO ID 44373 . . . . .	314
1.294WMO ID 45004 . . . . .	315
1.295WMO ID 47090 . . . . .	316
1.296WMO ID 47102 . . . . .	317
1.297WMO ID 47122 . . . . .	318
1.298WMO ID 47138 . . . . .	319
1.299WMO ID 47158 . . . . .	320
1.300WMO ID 47169 . . . . .	321
1.301WMO ID 47185 . . . . .	322
1.302WMO ID 47401 . . . . .	323
1.303WMO ID 47412 . . . . .	324
1.304WMO ID 47418 . . . . .	325
1.305WMO ID 47580 . . . . .	326
1.306WMO ID 47582 . . . . .	327
1.307WMO ID 47600 . . . . .	328
1.308WMO ID 47646 . . . . .	329
1.309WMO ID 47678 . . . . .	330
1.310WMO ID 47681 . . . . .	331
1.311WMO ID 47741 . . . . .	332
1.312WMO ID 47778 . . . . .	333
1.313WMO ID 47807 . . . . .	334
1.314WMO ID 47827 . . . . .	335
1.315WMO ID 47909 . . . . .	336
1.316WMO ID 47918 . . . . .	337
1.317WMO ID 47945 . . . . .	338
1.318WMO ID 47971 . . . . .	339

1.319WMO ID 47991 . . . . .	340
1.320WMO ID 48097 . . . . .	341
1.321WMO ID 48327 . . . . .	342
1.322WMO ID 48407 . . . . .	343
1.323WMO ID 48453 . . . . .	344
1.324WMO ID 48565 . . . . .	345
1.325WMO ID 48568 . . . . .	346
1.326WMO ID 48601 . . . . .	347
1.327WMO ID 48615 . . . . .	348
1.328WMO ID 48650 . . . . .	349
1.329WMO ID 48657 . . . . .	350
1.330WMO ID 48698 . . . . .	351
1.331WMO ID 48820 . . . . .	352
1.332WMO ID 48839 . . . . .	353
1.333WMO ID 48855 . . . . .	354
1.334WMO ID 48900 . . . . .	355
1.335WMO ID 50527 . . . . .	356
1.336WMO ID 50557 . . . . .	357
1.337WMO ID 50774 . . . . .	358
1.338WMO ID 50953 . . . . .	359
1.339WMO ID 51076 . . . . .	360
1.340WMO ID 51431 . . . . .	361
1.341WMO ID 51463 . . . . .	362
1.342WMO ID 51644 . . . . .	363
1.343WMO ID 51709 . . . . .	364
1.344WMO ID 51777 . . . . .	365
1.345WMO ID 51828 . . . . .	366
1.346WMO ID 51839 . . . . .	367
1.347WMO ID 52203 . . . . .	368
1.348WMO ID 52267 . . . . .	369
1.349WMO ID 52323 . . . . .	370
1.350WMO ID 52418 . . . . .	371
1.351WMO ID 52533 . . . . .	372
1.352WMO ID 52681 . . . . .	373
1.353WMO ID 52818 . . . . .	374
1.354WMO ID 52836 . . . . .	375
1.355WMO ID 52866 . . . . .	376
1.356WMO ID 52983 . . . . .	377
1.357WMO ID 53068 . . . . .	378
1.358WMO ID 53463 . . . . .	379
1.359WMO ID 53513 . . . . .	380
1.360WMO ID 53614 . . . . .	381
1.361WMO ID 53772 . . . . .	382
1.362WMO ID 53845 . . . . .	383
1.363WMO ID 53915 . . . . .	384
1.364WMO ID 54102 . . . . .	385

1.365WMO ID 54135 . . . . .	386
1.366WMO ID 54161 . . . . .	387
1.367WMO ID 54218 . . . . .	388
1.368WMO ID 54292 . . . . .	389
1.369WMO ID 54342 . . . . .	390
1.370WMO ID 54374 . . . . .	391
1.371WMO ID 54511 . . . . .	392
1.372WMO ID 54662 . . . . .	393
1.373WMO ID 54727 . . . . .	394
1.374WMO ID 54857 . . . . .	395
1.375WMO ID 55299 . . . . .	396
1.376WMO ID 55591 . . . . .	397
1.377WMO ID 56029 . . . . .	398
1.378WMO ID 56080 . . . . .	399
1.379WMO ID 56137 . . . . .	400
1.380WMO ID 56146 . . . . .	401
1.381WMO ID 56187 . . . . .	402
1.382WMO ID 56571 . . . . .	403
1.383WMO ID 56691 . . . . .	404
1.384WMO ID 56739 . . . . .	405
1.385WMO ID 56778 . . . . .	406
1.386WMO ID 56964 . . . . .	407
1.387WMO ID 56985 . . . . .	408
1.388WMO ID 57083 . . . . .	409
1.389WMO ID 57127 . . . . .	410
1.390WMO ID 57131 . . . . .	411
1.391WMO ID 57178 . . . . .	412
1.392WMO ID 57178 . . . . .	413
1.393WMO ID 57447 . . . . .	414
1.394WMO ID 57461 . . . . .	415
1.395WMO ID 57461 . . . . .	416
1.396WMO ID 57494 . . . . .	417
1.397WMO ID 57516 . . . . .	418
1.398WMO ID 57679 . . . . .	419
1.399WMO ID 57749 . . . . .	420
1.400WMO ID 57816 . . . . .	421
1.401WMO ID 57957 . . . . .	422
1.402WMO ID 57972 . . . . .	423
1.403WMO ID 57993 . . . . .	424
1.404WMO ID 58027 . . . . .	425
1.405WMO ID 58150 . . . . .	426
1.406WMO ID 58150 . . . . .	427
1.407WMO ID 58203 . . . . .	428
1.408WMO ID 58238 . . . . .	429
1.409WMO ID 58362 . . . . .	430
1.410WMO ID 58424 . . . . .	431

1.411WMO ID 58457 . . . . .	432
1.412WMO ID 58606 . . . . .	433
1.413WMO ID 58633 . . . . .	434
1.414WMO ID 58665 . . . . .	435
1.415WMO ID 58725 . . . . .	436
1.416WMO ID 58847 . . . . .	437
1.417WMO ID 58968 . . . . .	438
1.418WMO ID 59134 . . . . .	439
1.419WMO ID 59211 . . . . .	440
1.420WMO ID 59265 . . . . .	441
1.421WMO ID 59280 . . . . .	442
1.422WMO ID 59316 . . . . .	443
1.423WMO ID 59431 . . . . .	444
1.424WMO ID 59758 . . . . .	445
1.425WMO ID 59981 . . . . .	446
1.426WMO ID 60018 . . . . .	447
1.427WMO ID 60155 . . . . .	448
1.428WMO ID 60390 . . . . .	449
1.429WMO ID 60571 . . . . .	450
1.430WMO ID 60630 . . . . .	451
1.431WMO ID 60656 . . . . .	452
1.432WMO ID 60680 . . . . .	453
1.433WMO ID 60715 . . . . .	454
1.434WMO ID 60760 . . . . .	455
1.435WMO ID 61052 . . . . .	456
1.436WMO ID 61291 . . . . .	457
1.437WMO ID 61415 . . . . .	458
1.438WMO ID 61442 . . . . .	459
1.439WMO ID 61641 . . . . .	460
1.440WMO ID 61687 . . . . .	461
1.441WMO ID 61901 . . . . .	462
1.442WMO ID 61901 . . . . .	463
1.443WMO ID 61980 . . . . .	464
1.444WMO ID 61998 . . . . .	465
1.445WMO ID 62337 . . . . .	466
1.446WMO ID 62378 . . . . .	467
1.447WMO ID 62403 . . . . .	468
1.448WMO ID 62423 . . . . .	469
1.449WMO ID 62721 . . . . .	470
1.450WMO ID 63450 . . . . .	471
1.451WMO ID 63741 . . . . .	472
1.452WMO ID 63985 . . . . .	473
1.453WMO ID 64400 . . . . .	474
1.454WMO ID 64458 . . . . .	475
1.455WMO ID 64500 . . . . .	476
1.456WMO ID 64650 . . . . .	477

1.457WMO ID 64910 . . . . .	478
1.458WMO ID 65578 . . . . .	479
1.459WMO ID 67083 . . . . .	480
1.460WMO ID 67197 . . . . .	481
1.461WMO ID 68110 . . . . .	482
1.462WMO ID 68263 . . . . .	483
1.463WMO ID 68424 . . . . .	484
1.464WMO ID 68442 . . . . .	485
1.465WMO ID 68538 . . . . .	486
1.466WMO ID 68592 . . . . .	487
1.467WMO ID 68816 . . . . .	488
1.468WMO ID 68906 . . . . .	489
1.469WMO ID 70026 . . . . .	490
1.470WMO ID 70133 . . . . .	491
1.471WMO ID 70200 . . . . .	492
1.472WMO ID 70219 . . . . .	493
1.473WMO ID 70231 . . . . .	494
1.474WMO ID 70261 . . . . .	495
1.475WMO ID 70273 . . . . .	496
1.476WMO ID 70308 . . . . .	497
1.477WMO ID 70316 . . . . .	498
1.478WMO ID 70326 . . . . .	499
1.479WMO ID 70350 . . . . .	500
1.480WMO ID 70361 . . . . .	501
1.481WMO ID 70398 . . . . .	502
1.482WMO ID 70414 . . . . .	503
1.483WMO ID 71043 . . . . .	504
1.484WMO ID 71081 . . . . .	505
1.485WMO ID 71082 . . . . .	506
1.486WMO ID 71109 . . . . .	507
1.487WMO ID 71119 . . . . .	508
1.488WMO ID 71203 . . . . .	509
1.489WMO ID 71600 . . . . .	510
1.490WMO ID 71600 . . . . .	511
1.491WMO ID 71603 . . . . .	512
1.492WMO ID 71722 . . . . .	513
1.493WMO ID 71802 . . . . .	514
1.494WMO ID 71811 . . . . .	515
1.495WMO ID 71815 . . . . .	516
1.496WMO ID 71816 . . . . .	517
1.497WMO ID 71823 . . . . .	518
1.498WMO ID 71836 . . . . .	519
1.499WMO ID 71845 . . . . .	520
1.500WMO ID 71867 . . . . .	521
1.501WMO ID 71906 . . . . .	522
1.502WMO ID 71907 . . . . .	523

1.503WMO ID 71908 . . . . .	524
1.504WMO ID 71909 . . . . .	525
1.505WMO ID 71913 . . . . .	526
1.506WMO ID 71915 . . . . .	527
1.507WMO ID 71917 . . . . .	528
1.508WMO ID 71924 . . . . .	529
1.509WMO ID 71925 . . . . .	530
1.510WMO ID 71926 . . . . .	531
1.511WMO ID 71934 . . . . .	532
1.512WMO ID 71945 . . . . .	533
1.513WMO ID 71957 . . . . .	534
1.514WMO ID 71964 . . . . .	535
1.515WMO ID 72201 . . . . .	536
1.516WMO ID 72202 . . . . .	537
1.517WMO ID 72206 . . . . .	538
1.518WMO ID 72208 . . . . .	539
1.519WMO ID 72210 . . . . .	540
1.520WMO ID 72214 . . . . .	541
1.521WMO ID 72230 . . . . .	542
1.522WMO ID 72233 . . . . .	543
1.523WMO ID 72235 . . . . .	544
1.524WMO ID 72240 . . . . .	545
1.525WMO ID 72248 . . . . .	546
1.526WMO ID 72249 . . . . .	547
1.527WMO ID 72250 . . . . .	548
1.528WMO ID 72251 . . . . .	549
1.529WMO ID 72261 . . . . .	550
1.530WMO ID 72265 . . . . .	551
1.531WMO ID 72293 . . . . .	552
1.532WMO ID 72305 . . . . .	553
1.533WMO ID 72317 . . . . .	554
1.534WMO ID 72318 . . . . .	555
1.535WMO ID 72340 . . . . .	556
1.536WMO ID 72357 . . . . .	557
1.537WMO ID 72363 . . . . .	558
1.538WMO ID 72364 . . . . .	559
1.539WMO ID 72365 . . . . .	560
1.540WMO ID 72376 . . . . .	561
1.541WMO ID 72393 . . . . .	562
1.542WMO ID 72402 . . . . .	563
1.543WMO ID 72403 . . . . .	564
1.544WMO ID 72426 . . . . .	565
1.545WMO ID 72440 . . . . .	566
1.546WMO ID 72451 . . . . .	567
1.547WMO ID 72456 . . . . .	568
1.548WMO ID 72469 . . . . .	569

1.549WMO ID 72476 . . . . .	570
1.550WMO ID 72489 . . . . .	571
1.551WMO ID 72493 . . . . .	572
1.552WMO ID 72501 . . . . .	573
1.553WMO ID 72518 . . . . .	574
1.554WMO ID 72520 . . . . .	575
1.555WMO ID 72528 . . . . .	576
1.556WMO ID 72558 . . . . .	577
1.557WMO ID 72562 . . . . .	578
1.558WMO ID 72572 . . . . .	579
1.559WMO ID 72582 . . . . .	580
1.560WMO ID 72597 . . . . .	581
1.561WMO ID 72632 . . . . .	582
1.562WMO ID 72634 . . . . .	583
1.563WMO ID 72645 . . . . .	584
1.564WMO ID 72649 . . . . .	585
1.565WMO ID 72659 . . . . .	586
1.566WMO ID 72662 . . . . .	587
1.567WMO ID 72672 . . . . .	588
1.568WMO ID 72681 . . . . .	589
1.569WMO ID 72694 . . . . .	590
1.570WMO ID 72712 . . . . .	591
1.571WMO ID 72747 . . . . .	592
1.572WMO ID 72764 . . . . .	593
1.573WMO ID 72768 . . . . .	594
1.574WMO ID 72776 . . . . .	595
1.575WMO ID 72786 . . . . .	596
1.576WMO ID 72797 . . . . .	597
1.577WMO ID 74389 . . . . .	598
1.578WMO ID 74455 . . . . .	599
1.579WMO ID 74494 . . . . .	600
1.580WMO ID 74560 . . . . .	601
1.581WMO ID 74626 . . . . .	602
1.582WMO ID 74794 . . . . .	603
1.583WMO ID 76225 . . . . .	604
1.584WMO ID 76394 . . . . .	605
1.585WMO ID 76405 . . . . .	606
1.586WMO ID 76458 . . . . .	607
1.587WMO ID 76595 . . . . .	608
1.588WMO ID 76612 . . . . .	609
1.589WMO ID 76644 . . . . .	610
1.590WMO ID 76654 . . . . .	611
1.591WMO ID 76679 . . . . .	612
1.592WMO ID 76692 . . . . .	613
1.593WMO ID 76805 . . . . .	614
1.594WMO ID 78016 . . . . .	615



1.595WMO ID 78073 . . . . .	616
1.596WMO ID 78384 . . . . .	617
1.597WMO ID 78397 . . . . .	618
1.598WMO ID 78486 . . . . .	619
1.599WMO ID 78526 . . . . .	620
1.600WMO ID 78583 . . . . .	621
1.601WMO ID 78762 . . . . .	622
1.602WMO ID 78807 . . . . .	623
1.603WMO ID 78866 . . . . .	624
1.604WMO ID 78897 . . . . .	625
1.605WMO ID 78954 . . . . .	626
1.606WMO ID 78970 . . . . .	627
1.607WMO ID 78988 . . . . .	628
1.608WMO ID 80001 . . . . .	629
1.609WMO ID 80035 . . . . .	630
1.610WMO ID 80222 . . . . .	631
1.611WMO ID 80398 . . . . .	632
1.612WMO ID 80413 . . . . .	633
1.613WMO ID 80422 . . . . .	634
1.614WMO ID 81405 . . . . .	635
1.615WMO ID 81405 . . . . .	636
1.616WMO ID 82022 . . . . .	637
1.617WMO ID 82099 . . . . .	638
1.618WMO ID 82107 . . . . .	639
1.619WMO ID 82193 . . . . .	640
1.620WMO ID 82244 . . . . .	641
1.621WMO ID 82281 . . . . .	642
1.622WMO ID 82332 . . . . .	643
1.623WMO ID 82397 . . . . .	644
1.624WMO ID 82400 . . . . .	645
1.625WMO ID 82532 . . . . .	646
1.626WMO ID 82599 . . . . .	647
1.627WMO ID 82678 . . . . .	648
1.628WMO ID 82705 . . . . .	649
1.629WMO ID 82765 . . . . .	650
1.630WMO ID 82824 . . . . .	651
1.631WMO ID 82900 . . . . .	652
1.632WMO ID 82917 . . . . .	653
1.633WMO ID 82965 . . . . .	654
1.634WMO ID 82983 . . . . .	655
1.635WMO ID 83208 . . . . .	656
1.636WMO ID 83229 . . . . .	657
1.637WMO ID 83288 . . . . .	658
1.638WMO ID 83362 . . . . .	659
1.639WMO ID 83378 . . . . .	660
1.640WMO ID 83498 . . . . .	661

1.641WMO ID 83525 . . . . .	662
1.642WMO ID 83554 . . . . .	663
1.643WMO ID 83566 . . . . .	664
1.644WMO ID 83612 . . . . .	665
1.645WMO ID 83649 . . . . .	666
1.646WMO ID 83650 . . . . .	667
1.647WMO ID 83746 . . . . .	668
1.648WMO ID 83768 . . . . .	669
1.649WMO ID 83779 . . . . .	670
1.650WMO ID 83827 . . . . .	671
1.651WMO ID 83840 . . . . .	672
1.652WMO ID 83899 . . . . .	673
1.653WMO ID 83928 . . . . .	674
1.654WMO ID 83937 . . . . .	675
1.655WMO ID 83971 . . . . .	676
1.656WMO ID 84008 . . . . .	677
1.657WMO ID 84203 . . . . .	678
1.658WMO ID 84628 . . . . .	679
1.659WMO ID 85442 . . . . .	680
1.660WMO ID 85469 . . . . .	681
1.661WMO ID 85586 . . . . .	682
1.662WMO ID 85799 . . . . .	683
1.663WMO ID 87047 . . . . .	684
1.664WMO ID 87155 . . . . .	685
1.665WMO ID 87344 . . . . .	686
1.666WMO ID 87576 . . . . .	687
1.667WMO ID 87623 . . . . .	688
1.668WMO ID 87715 . . . . .	689
1.669WMO ID 87860 . . . . .	690
1.670WMO ID 88889 . . . . .	691
1.671WMO ID 89002 . . . . .	692
1.672WMO ID 89009 . . . . .	693
1.673WMO ID 89022 . . . . .	694
1.674WMO ID 89062 . . . . .	695
1.675WMO ID 89512 . . . . .	696
1.676WMO ID 89532 . . . . .	697
1.677WMO ID 89564 . . . . .	698
1.678WMO ID 89571 . . . . .	699
1.679WMO ID 89592 . . . . .	700
1.680WMO ID 89611 . . . . .	701
1.681WMO ID 89625 . . . . .	702
1.682WMO ID 89642 . . . . .	703
1.683WMO ID 89662 . . . . .	704
1.684WMO ID 89664 . . . . .	705
1.685WMO ID 91165 . . . . .	706
1.686WMO ID 91212 . . . . .	707

1.687WMO ID 91285 . . . . .	708
1.688WMO ID 91334 . . . . .	709
1.689WMO ID 91348 . . . . .	710
1.690WMO ID 91376 . . . . .	711
1.691WMO ID 91408 . . . . .	712
1.692WMO ID 91413 . . . . .	713
1.693WMO ID 91557 . . . . .	714
1.694WMO ID 91592 . . . . .	715
1.695WMO ID 91610 . . . . .	716
1.696WMO ID 91643 . . . . .	717
1.697WMO ID 91680 . . . . .	718
1.698WMO ID 91765 . . . . .	719
1.699WMO ID 91843 . . . . .	720
1.700WMO ID 91925 . . . . .	721
1.701WMO ID 91938 . . . . .	722
1.702WMO ID 91948 . . . . .	723
1.703WMO ID 91997 . . . . .	724
1.704WMO ID 93112 . . . . .	725
1.705WMO ID 93417 . . . . .	726
1.706WMO ID 93844 . . . . .	727
1.707WMO ID 93997 . . . . .	728
1.708WMO ID 94120 . . . . .	729
1.709WMO ID 94150 . . . . .	730
1.710WMO ID 94170 . . . . .	731
1.711WMO ID 94203 . . . . .	732
1.712WMO ID 94294 . . . . .	733
1.713WMO ID 94299 . . . . .	734
1.714WMO ID 94302 . . . . .	735
1.715WMO ID 94312 . . . . .	736
1.716WMO ID 94326 . . . . .	737
1.717WMO ID 94332 . . . . .	738
1.718WMO ID 94374 . . . . .	739
1.719WMO ID 94403 . . . . .	740
1.720WMO ID 94430 . . . . .	741
1.721WMO ID 94461 . . . . .	742
1.722WMO ID 94510 . . . . .	743
1.723WMO ID 94578 . . . . .	744
1.724WMO ID 94610 . . . . .	745
1.725WMO ID 94637 . . . . .	746
1.726WMO ID 94638 . . . . .	747
1.727WMO ID 94659 . . . . .	748
1.728WMO ID 94672 . . . . .	749
1.729WMO ID 94711 . . . . .	750
1.730WMO ID 94776 . . . . .	751
1.731WMO ID 94802 . . . . .	752
1.732WMO ID 94821 . . . . .	753

1.733WMO ID 94866 . . . . .	754
1.734WMO ID 94910 . . . . .	755
1.735WMO ID 94975 . . . . .	756
1.736WMO ID 94995 . . . . .	757
1.737WMO ID 94996 . . . . .	758
1.738WMO ID 94998 . . . . .	759
1.739WMO ID 95527 . . . . .	760
1.740WMO ID 96147 . . . . .	761
1.741WMO ID 96163 . . . . .	762
1.742WMO ID 96237 . . . . .	763
1.743WMO ID 96315 . . . . .	764
1.744WMO ID 96413 . . . . .	765
1.745WMO ID 96441 . . . . .	766
1.746WMO ID 96471 . . . . .	767
1.747WMO ID 96481 . . . . .	768
1.748WMO ID 96749 . . . . .	769
1.749WMO ID 96935 . . . . .	770
1.750WMO ID 96996 . . . . .	771
1.751WMO ID 97014 . . . . .	772
1.752WMO ID 97072 . . . . .	773
1.753WMO ID 97180 . . . . .	774
1.754WMO ID 97372 . . . . .	775
1.755WMO ID 97560 . . . . .	776
1.756WMO ID 97724 . . . . .	777
1.757WMO ID 97980 . . . . .	778
1.758WMO ID 98223 . . . . .	779
1.759WMO ID 98433 . . . . .	780
1.760WMO ID 98444 . . . . .	781
1.761WMO ID 98618 . . . . .	782
1.762WMO ID 98646 . . . . .	783
<b>A Radiosonde types</b>	<b>784</b>
<b>Bibliography</b>	<b>785</b>

# 1 Biases for all analysed RS stations

This document contains supplementary material to the ROM SAF Visiting Scientist report 26 (see Tradowsky [1]). Please refer to the report regarding an explanation of the method which is used to calculate the radiosonde (RS) temperature bias correction on a station-by-station basis using radio occultation (RO) dry temperature profiles as unbiased reference. The statistics presented here are calculated for the year 2014 (see Tradowsky [1] for a description of the analysed data). The RS temperature bias is calculated as the difference between the RO and RS departures from the Met Office numerical weather prediction system background fields, i.e.

$$\overline{O_{RO} - O_{RS}} \approx \overline{O_{RO} - B_{RO}} - \overline{O_{RS} - B_{RS}} \quad (1.1)$$

where  $O$  is the observation and  $B$  is the background, forward-modelled into observation space. The  $\approx$  denotes that the assumption has been made that  $B_{RO}$  and  $B_{RS}$  are equally representative of the true values at the RO and RS locations respectively, i.e the central assumption is that the NWP forecast bias does not vary between the RO and RS locations. Here the departure statistics and biases for 762 upper-air sites are presented. The World Meteorological Organization station identification (WMO ID), a 5-digit code, is used here to name the sites. The biases are calculated for four different solar elevation angle (SEA) ranges, i.e.:

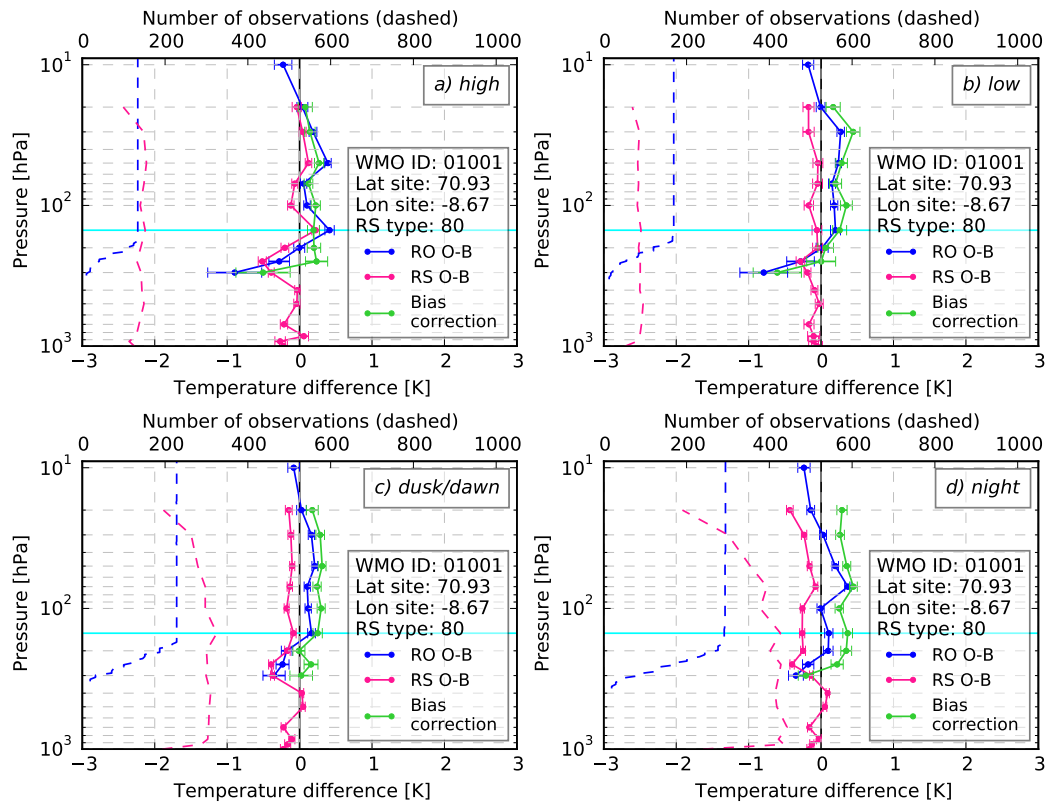
Name	SEA range [degree]
High	SEA > 22.5°
Low	7.5° < SEA < 22.5°
Dusk	-7.5° < SEA < 7.5°
Night	SEA < -7.5°

*Table 1.1: Solar elevation angle ranges.*

The RO Tdry departures (blue), the RS temperature departures (pink) and the bias corrections (green) are presented in Figs. 1.1-1.762 for 762 upper-air sites. Since the RS and RO departure statistics depend on the SEA, the bias/bias correction (the bias correction is shown in the plots, identical to bias but opposite sign) is calculated separately for “high”, “low”, “dusk” and “night” launches as defined above. The departure statistics and the bias correction are displayed with error bars representing the associated standard error (SE) of the mean, taking into account the sample size (dashed blue and pink lines) and the SD of the means. The horizontal cyan coloured line marks the lowest standard pressure level where 95% of the RO profiles are used, i.e. not more than 5% of the profiles are excluded due to atmospheric humidity exceeding the threshold defined Tradowsky [1], or because they failed the quality check. Below this level the bias corrections are not representative for all atmospheric conditions at the respective site, as the included RO profiles are sampled in especially dry conditions, which could lead to particular bias characteristics in the RO departures, probably originating from the model. This RO sample could be different to the RS sample where no humidity masking is applied and therefore invalidate our central assumption. Thus, while the bias corrections and the associated standard errors below the horizontal cyan line in Figs. 1.1-1.762 are valid for certain atmospheric conditions, they can not be used to correct all RS

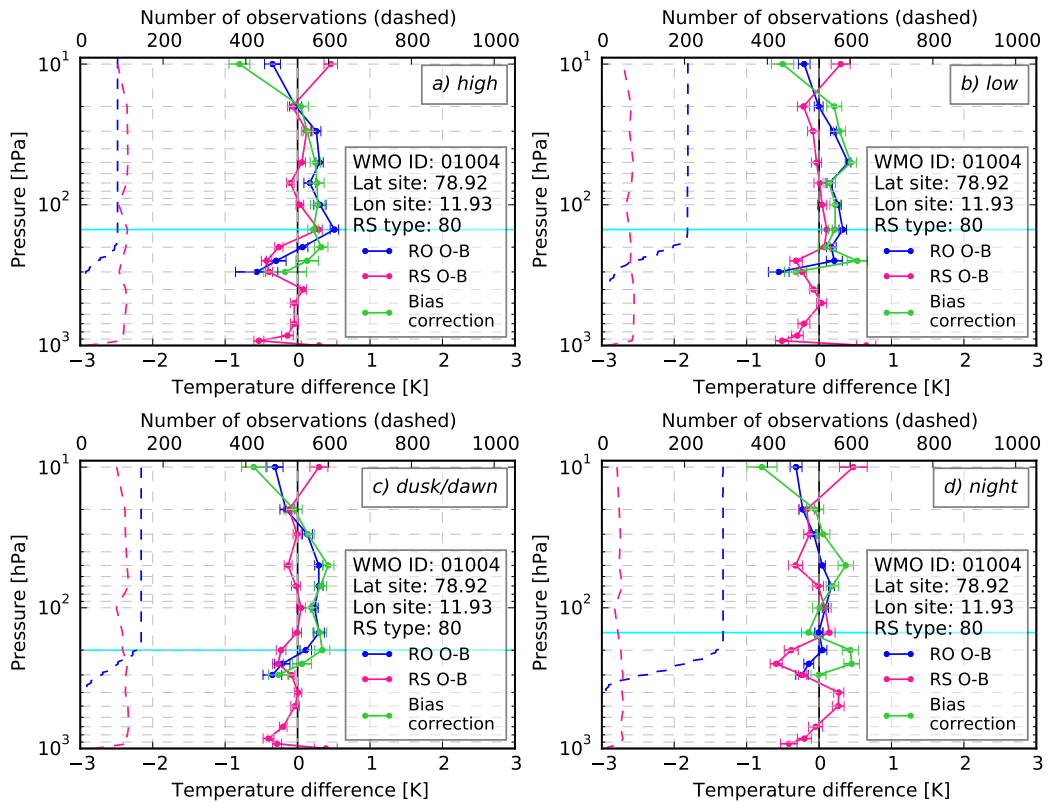
profiles disseminated to the Global Telecommunication System for the site. The longitude and latitude of the upper-air site, and the RS type (see Table A.1) are additionally given in the figures. If a station is launching different RS types, only those that are used frequently are shown here (not less than 10% of the number of launches with the most common RS type). The RS types are sorted based on their frequency of launches at one site. If the type is “NaN” the RS type is not identified, e.g. because it was not submitted by the station. For some stations the figures are only produced for a subset of SEA ranges because no RS were only launched in certain SEA. If less than 10 RS profiles are available for a SEA, the figure is produced, but there is no RS profile included as there are too few values to calculate the statistics.

### 1.1 WMO ID 01001



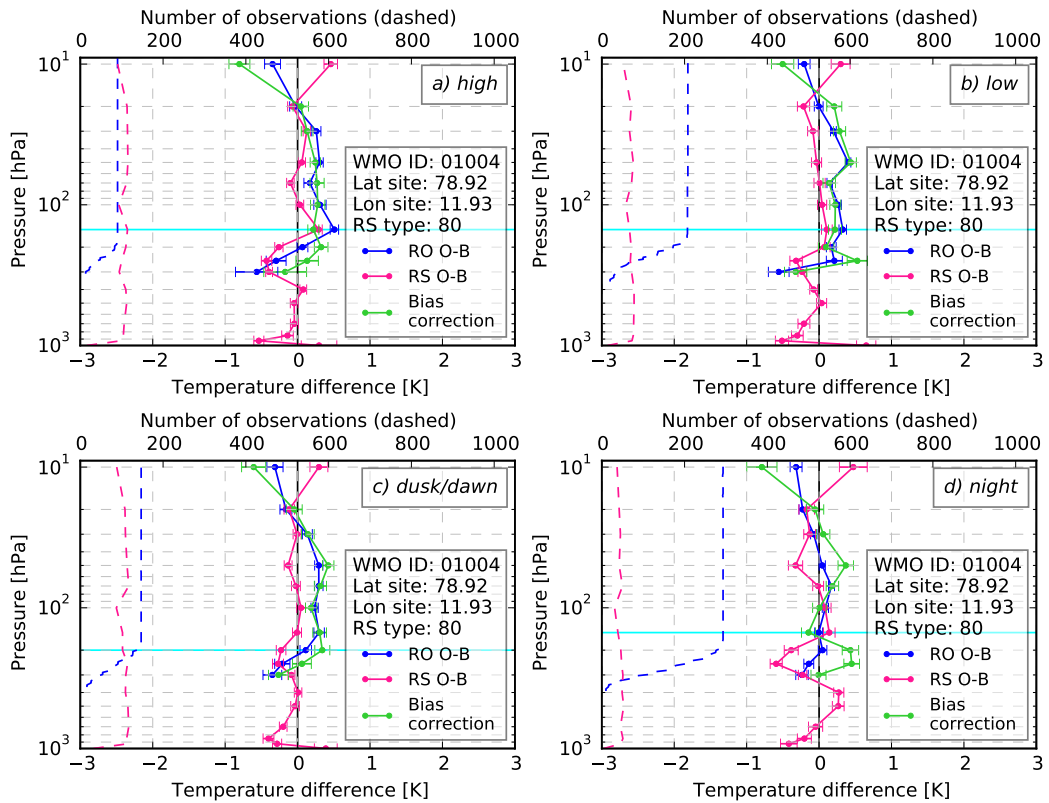
**Figure 1.1:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.2 WMO ID 01004



**Figure 1.2:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

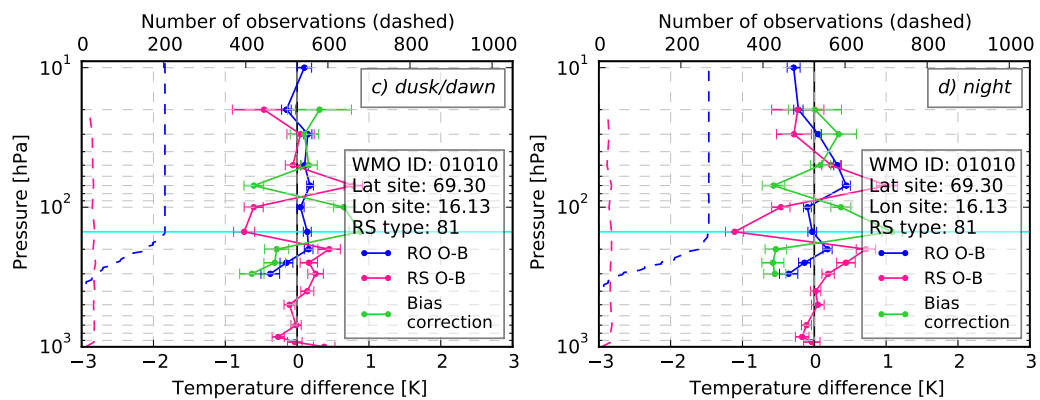
### 1.3 WMO ID 01004



**Figure 1.3:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

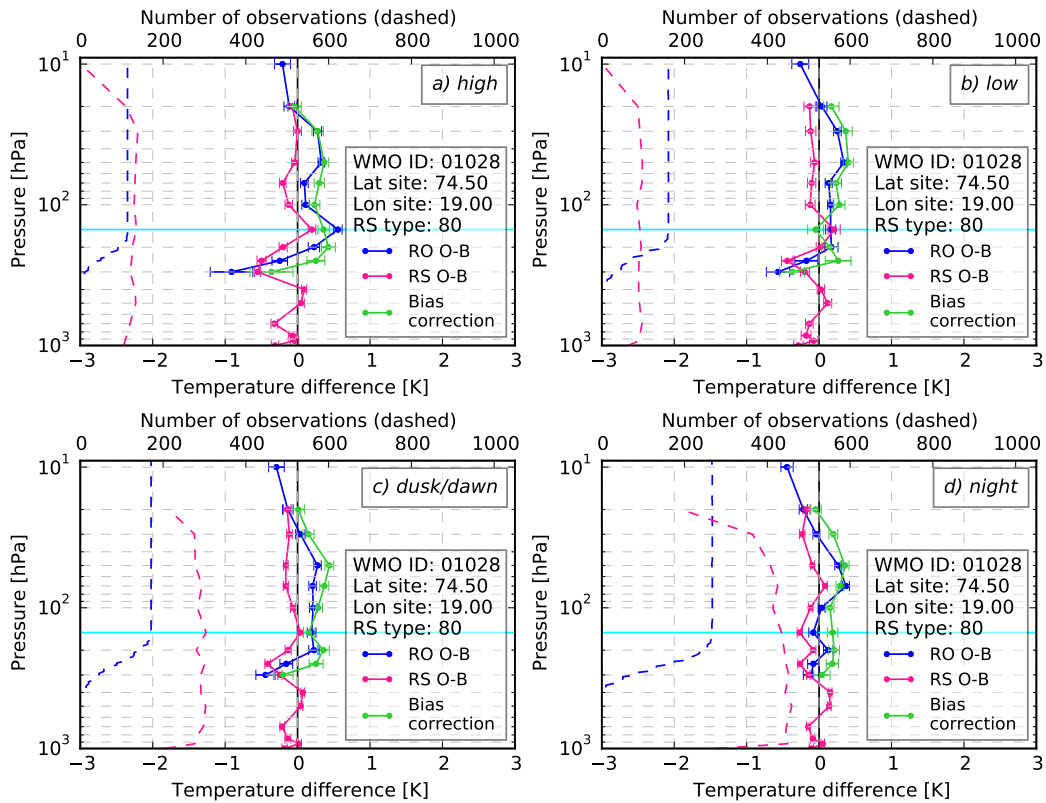


## 1.4 WMO ID 01010



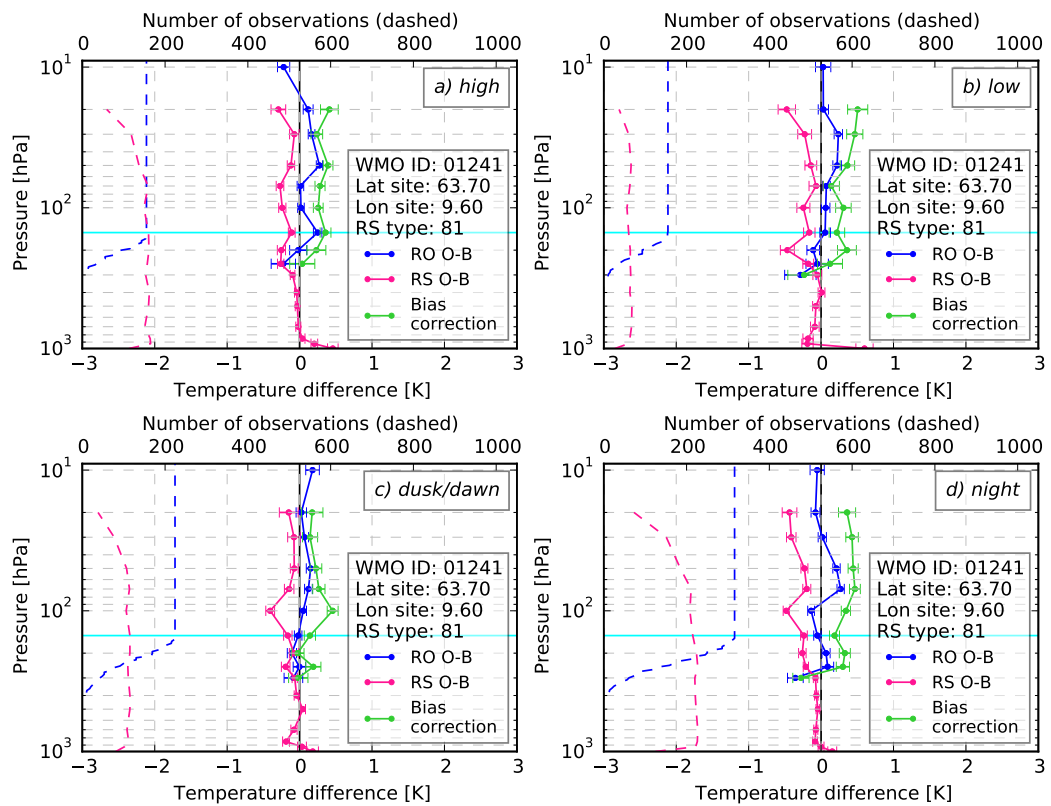
**Figure 1.4:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.5 WMO ID 01028



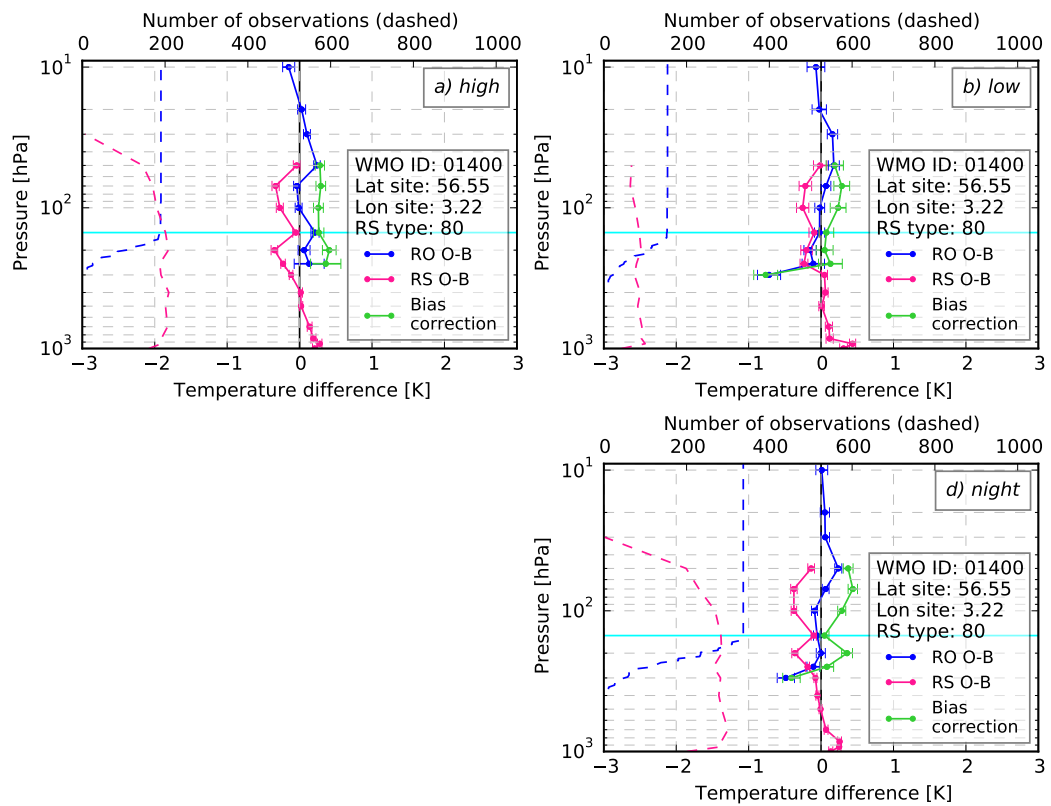
**Figure 1.5:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.6 WMO ID 01241



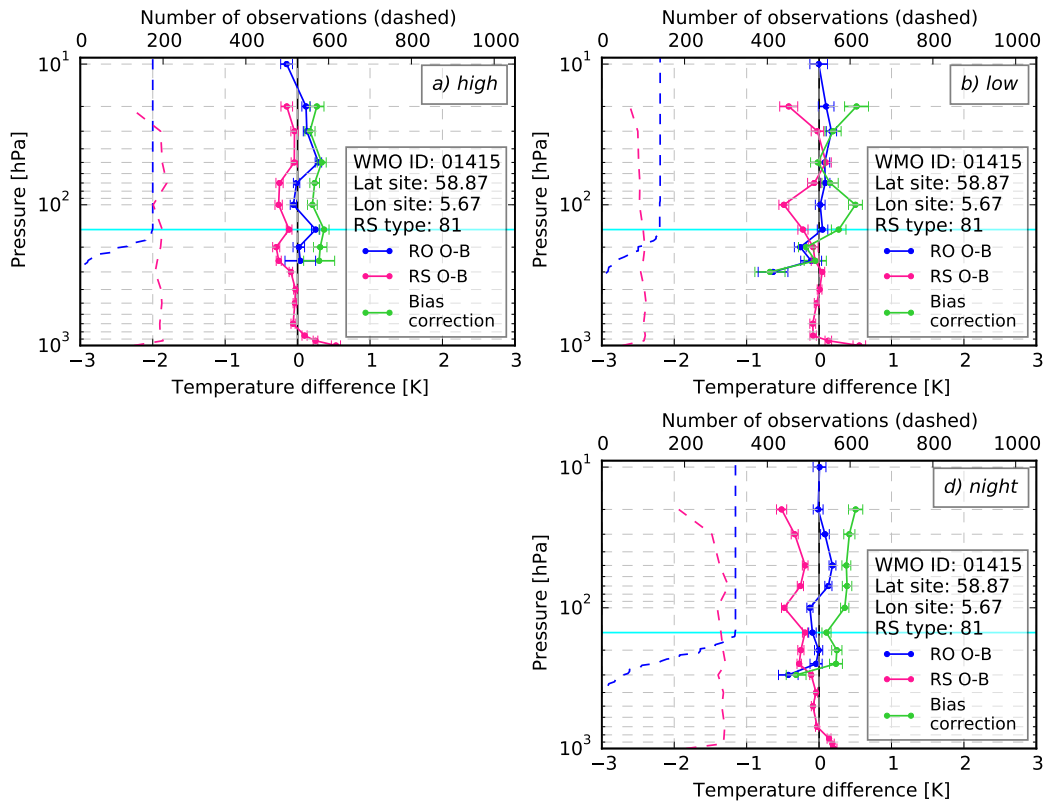
**Figure 1.6:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.7 WMO ID 01400



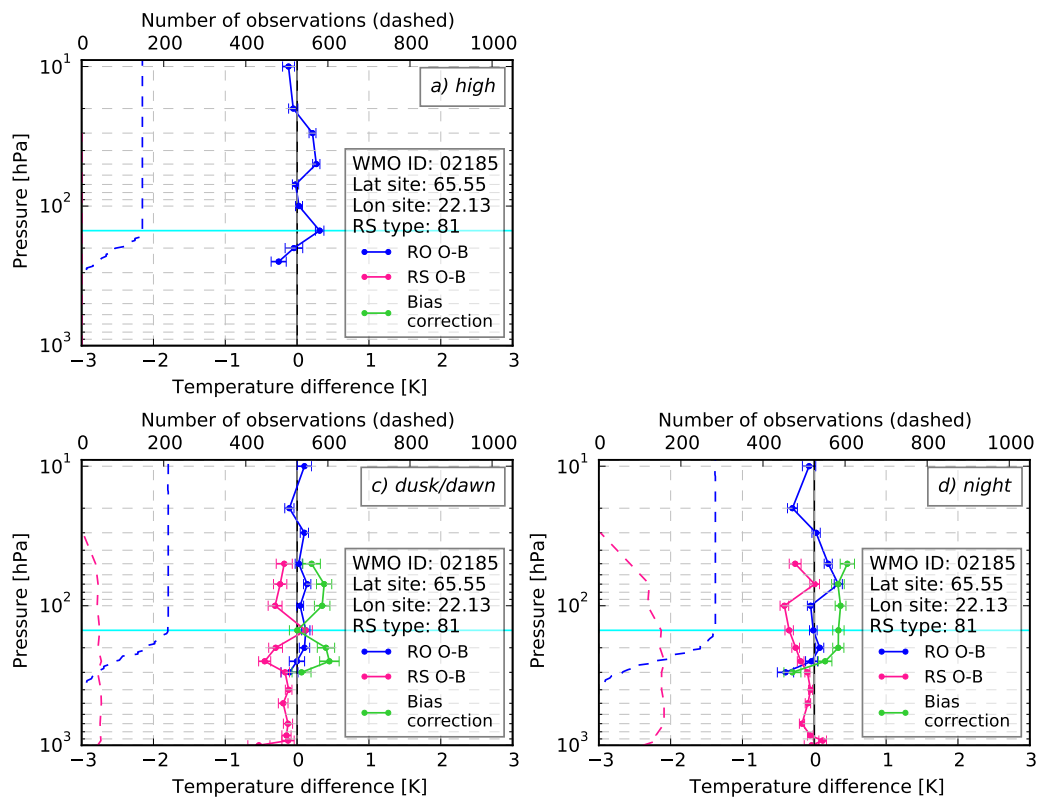
**Figure 1.7:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.8 WMO ID 01415



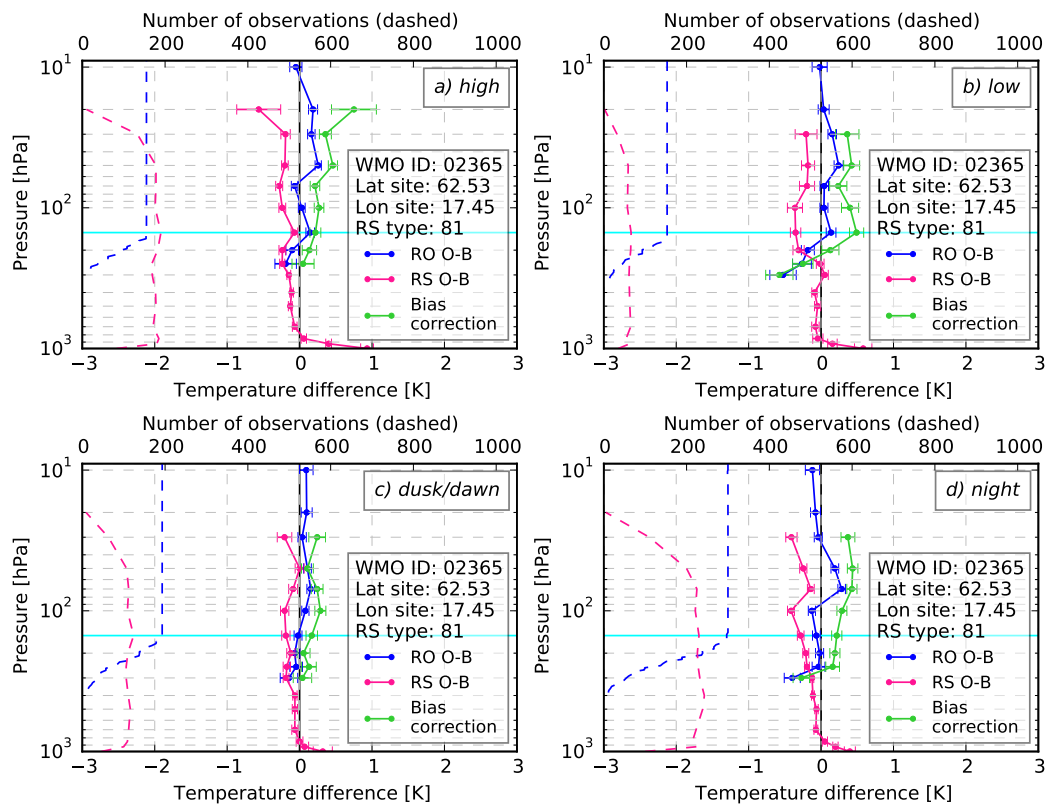
**Figure 1.8:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.9 WMO ID 02185



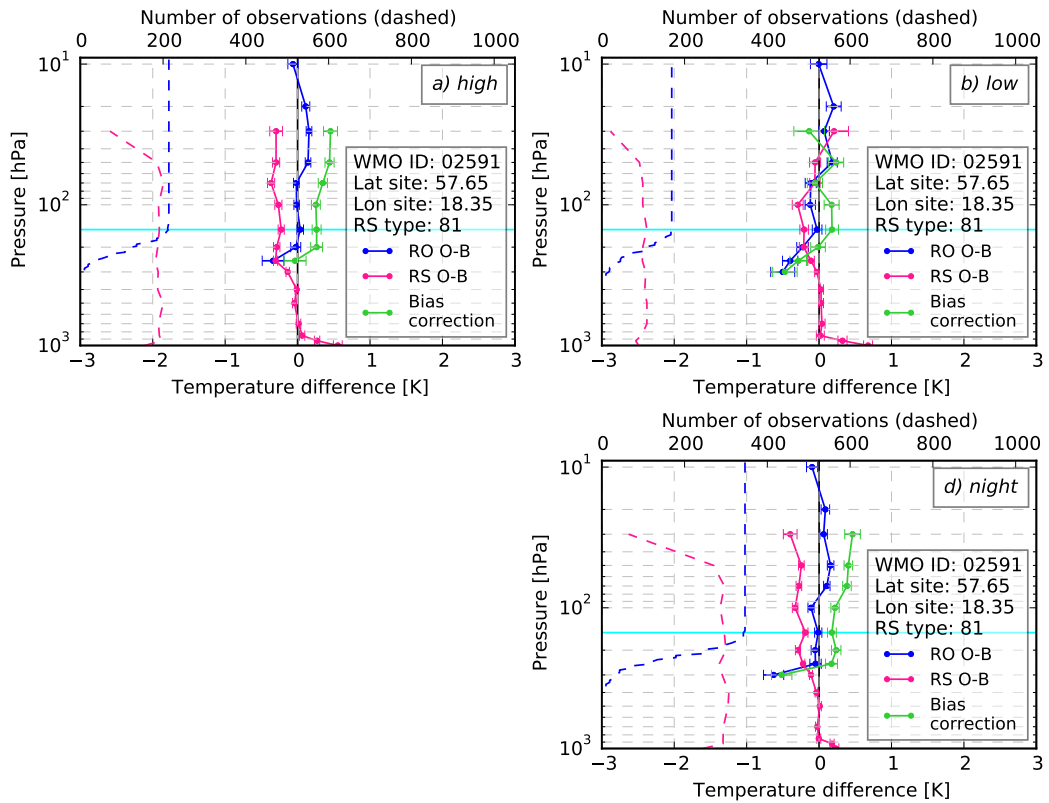
**Figure 1.9:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.10 WMO ID 02365



**Figure 1.10:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

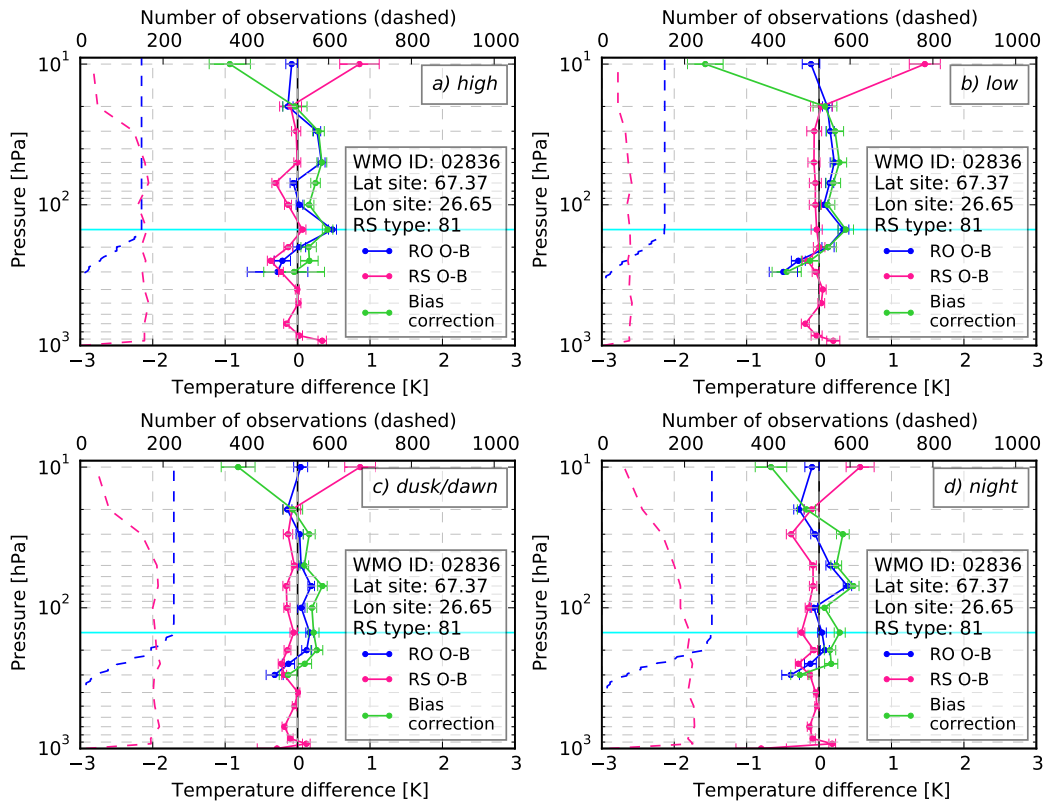
## 1.11 WMO ID 02591



**Figure 1.11:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

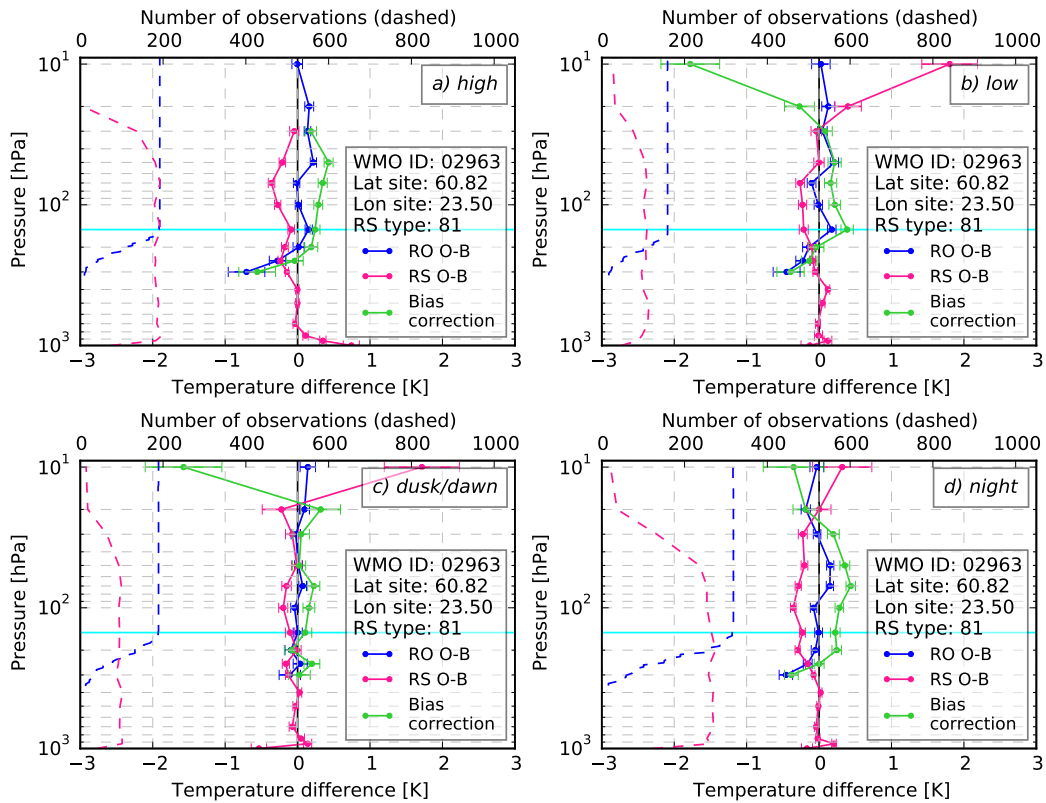


## 1.12 WMO ID 02836



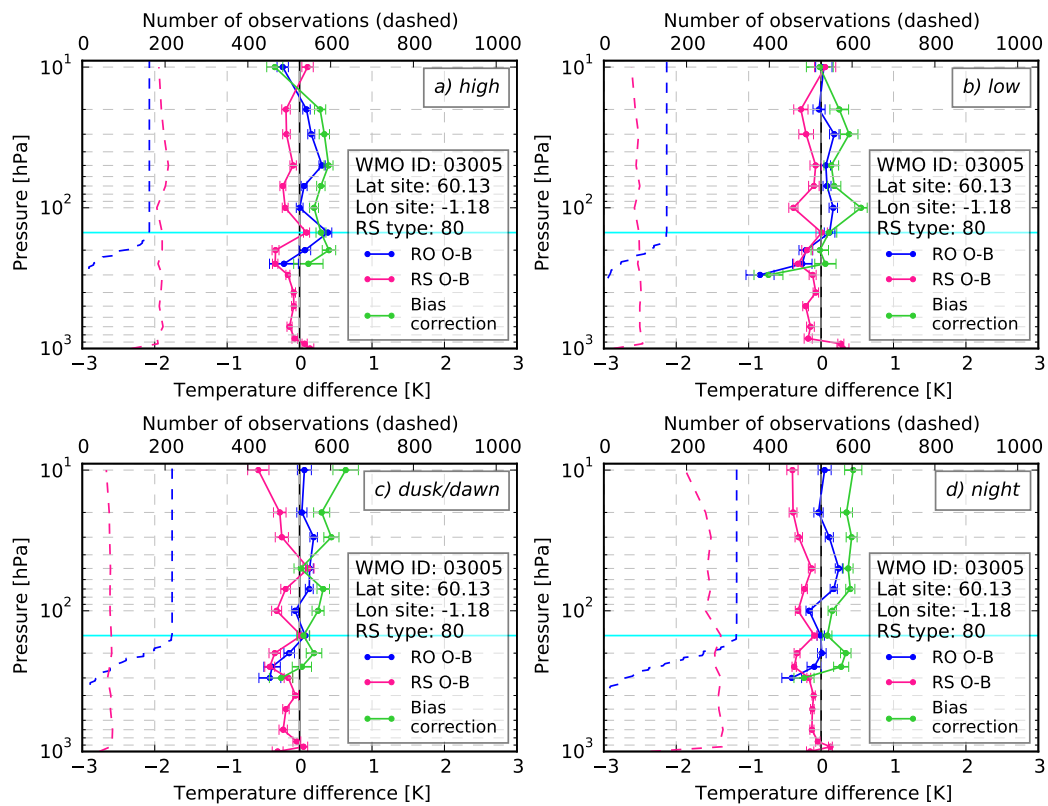
**Figure 1.12:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.13 WMO ID 02963



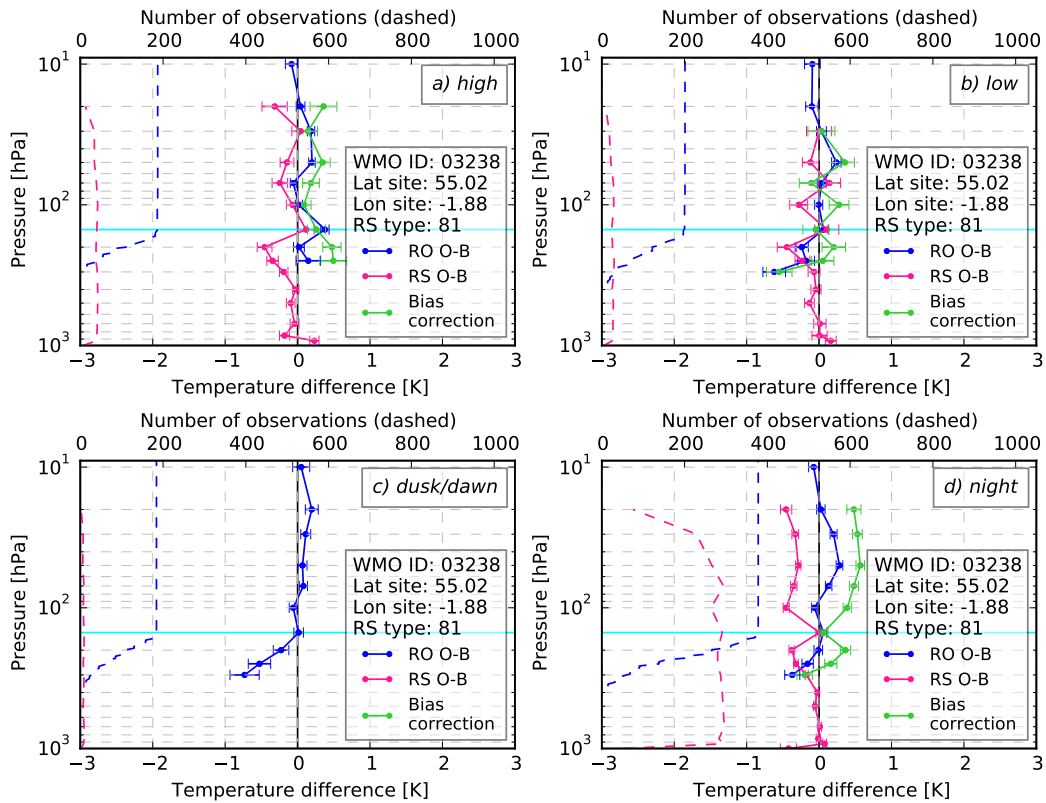
**Figure 1.13:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.14 WMO ID 03005



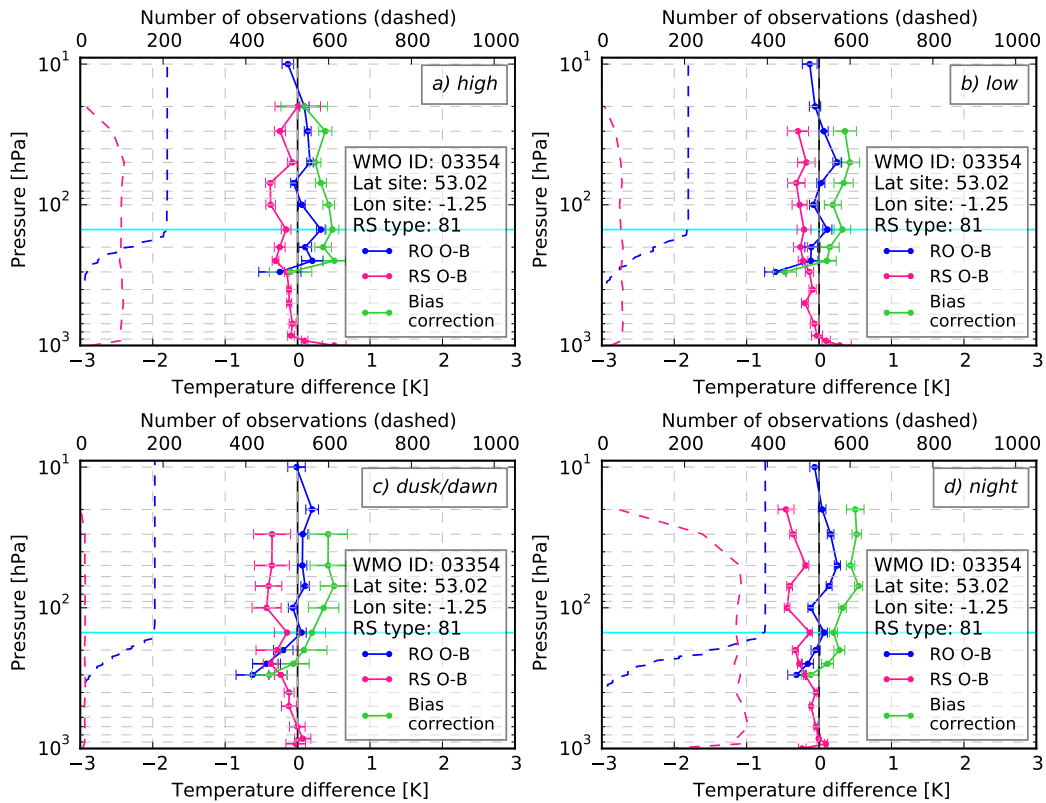
**Figure 1.14:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.15 WMO ID 03238



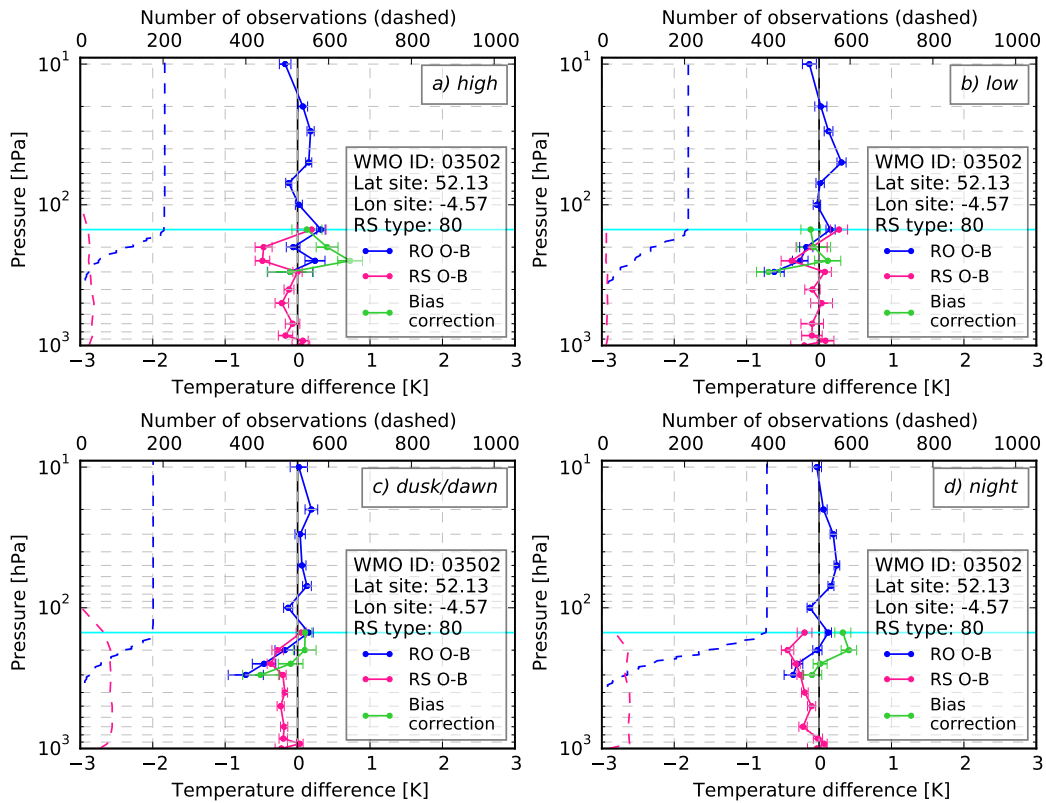
**Figure 1.15:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.16 WMO ID 03354



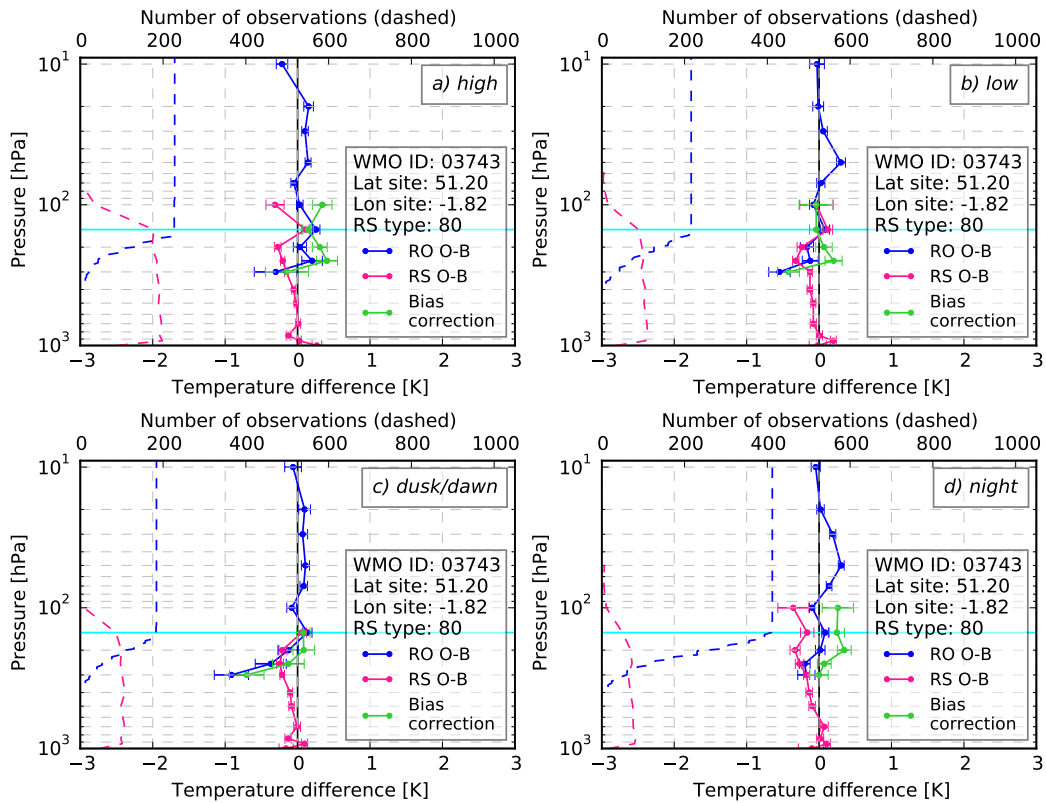
**Figure 1.16:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.17 WMO ID 03502



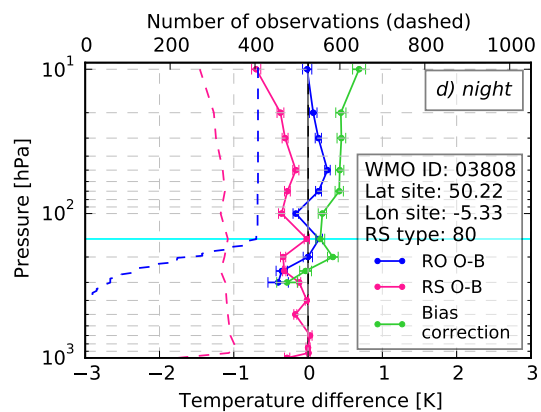
**Figure 1.17:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.18 WMO ID 03743



**Figure 1.18:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

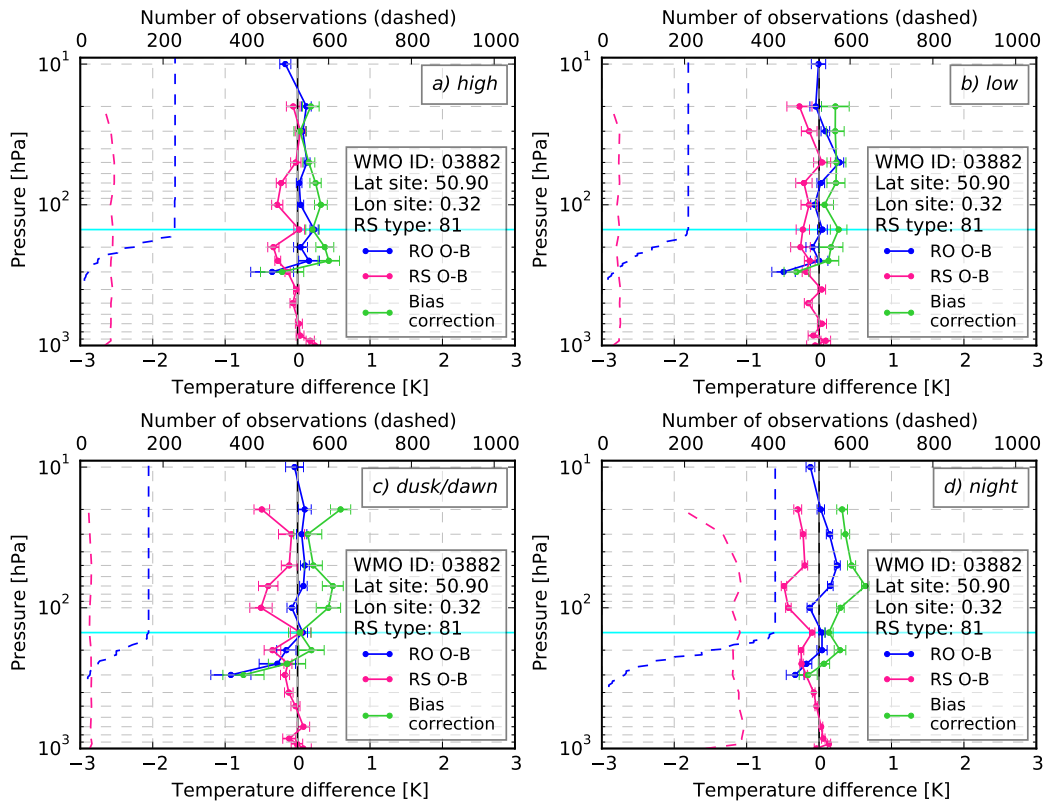
## 1.19 WMO ID 03808



**Figure 1.19:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

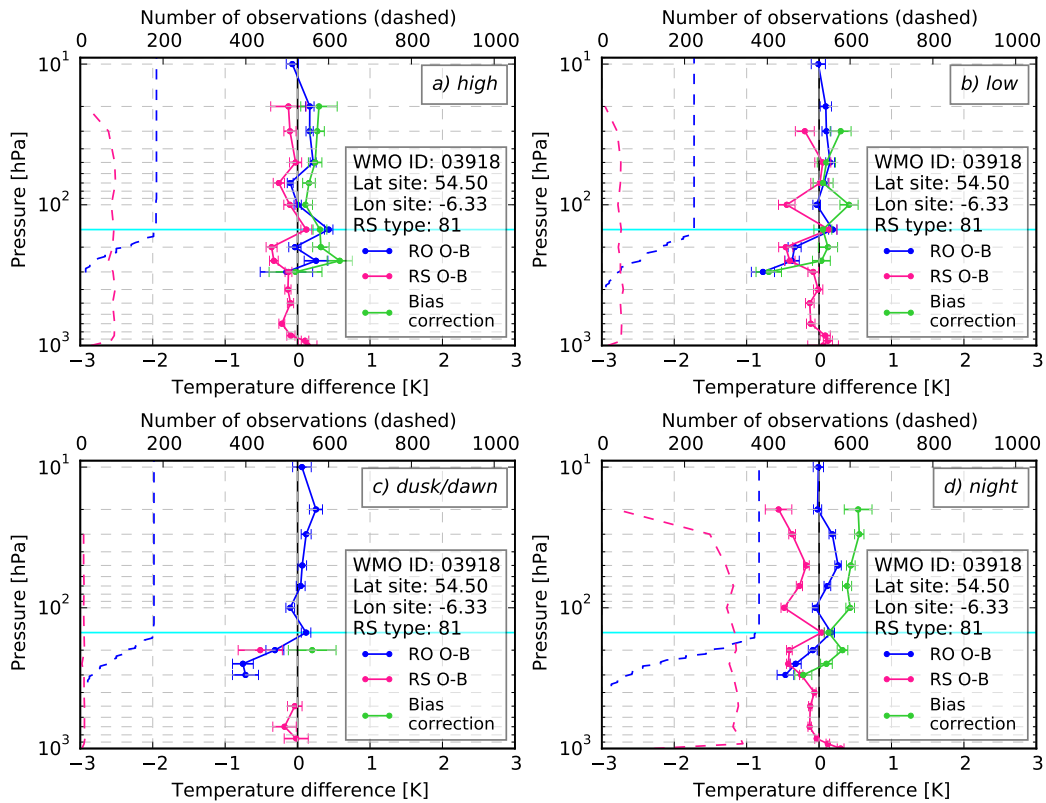


## 1.20 WMO ID 03882



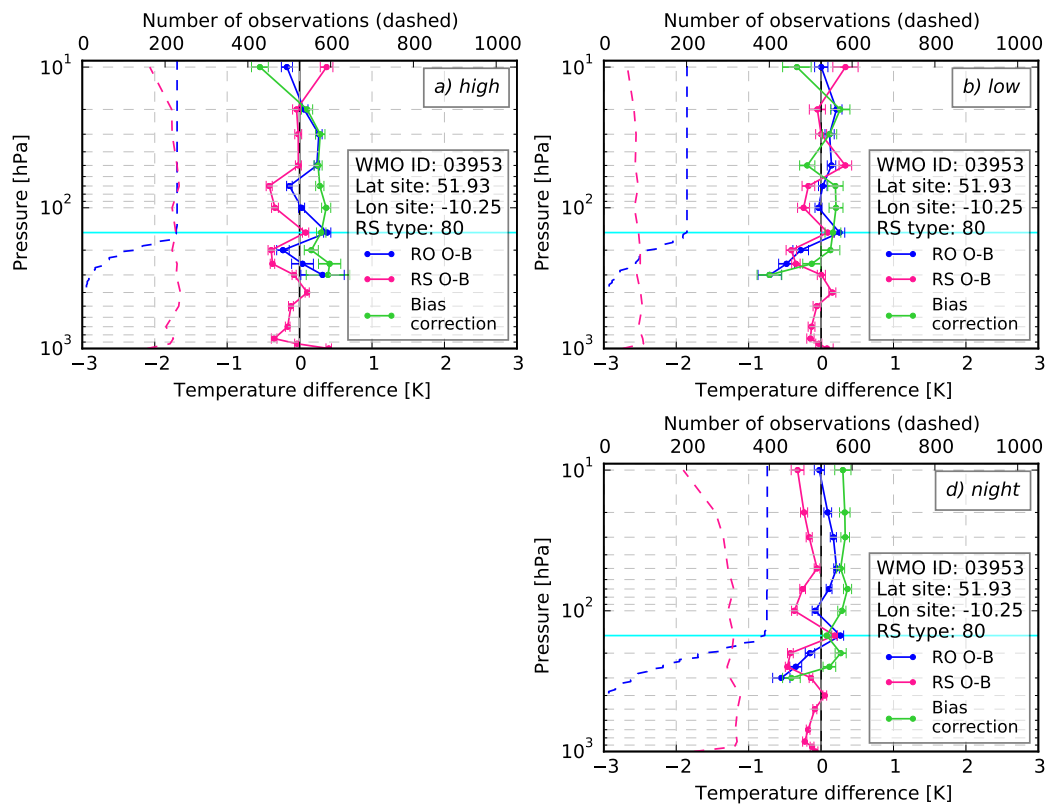
**Figure 1.20:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.21 WMO ID 03918



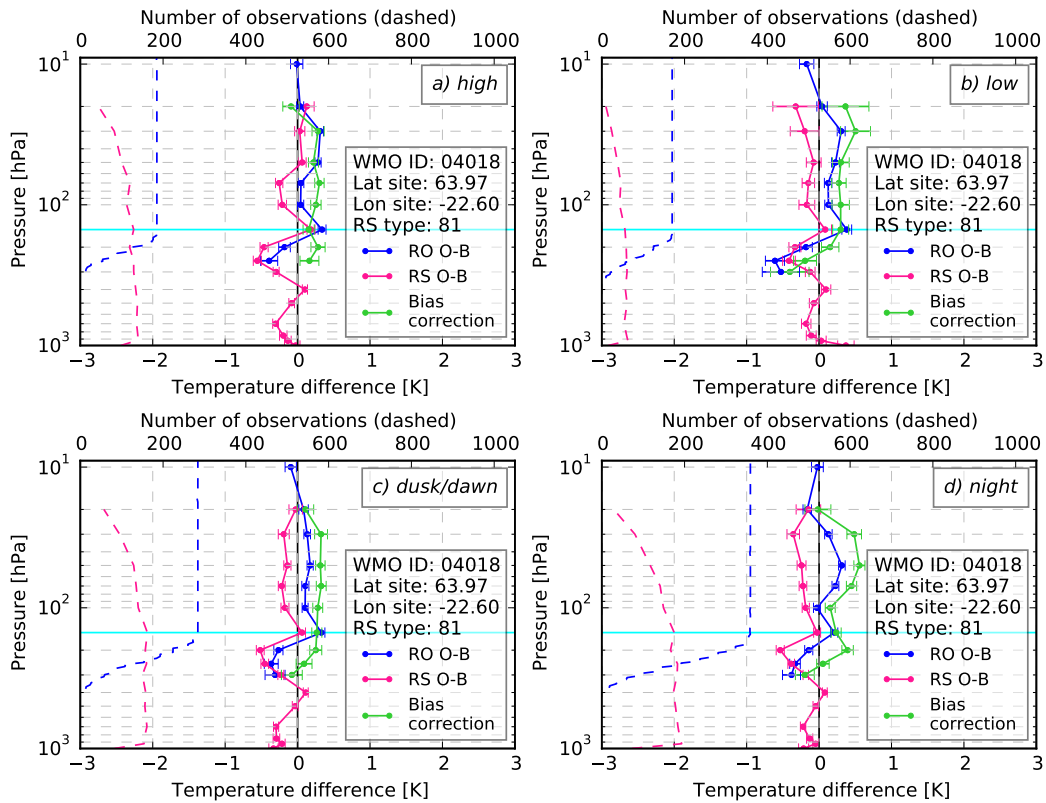
**Figure 1.21:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.22 WMO ID 03953



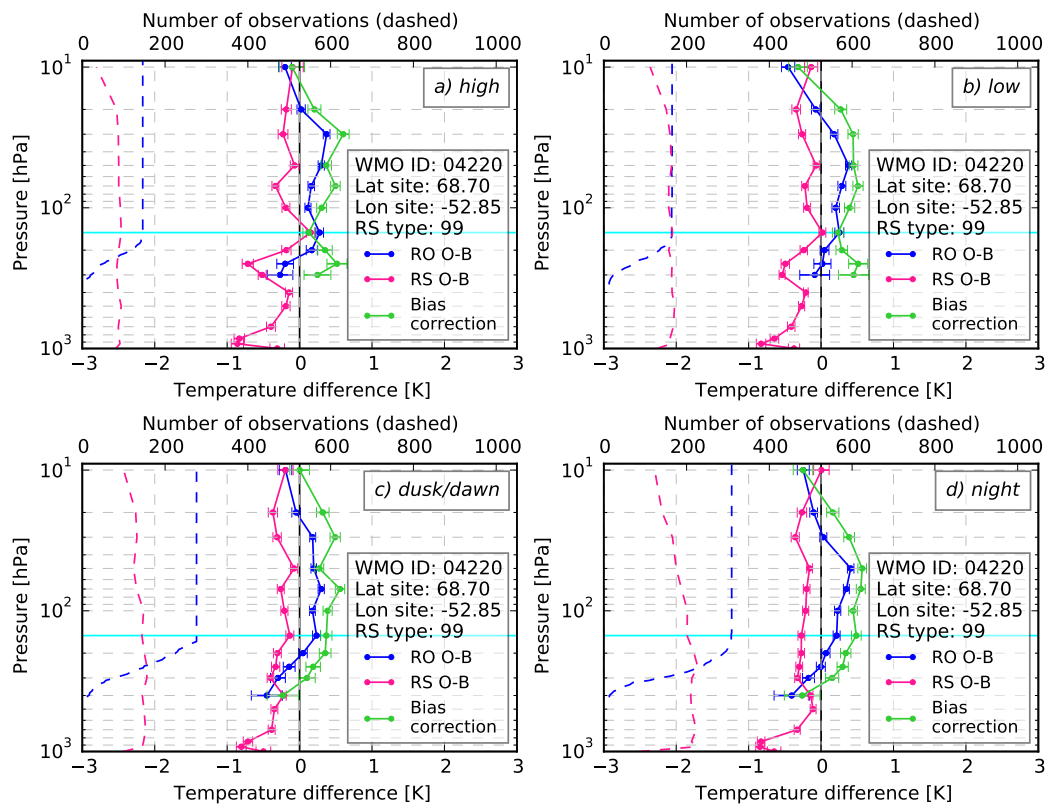
**Figure 1.22:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.23 WMO ID 04018



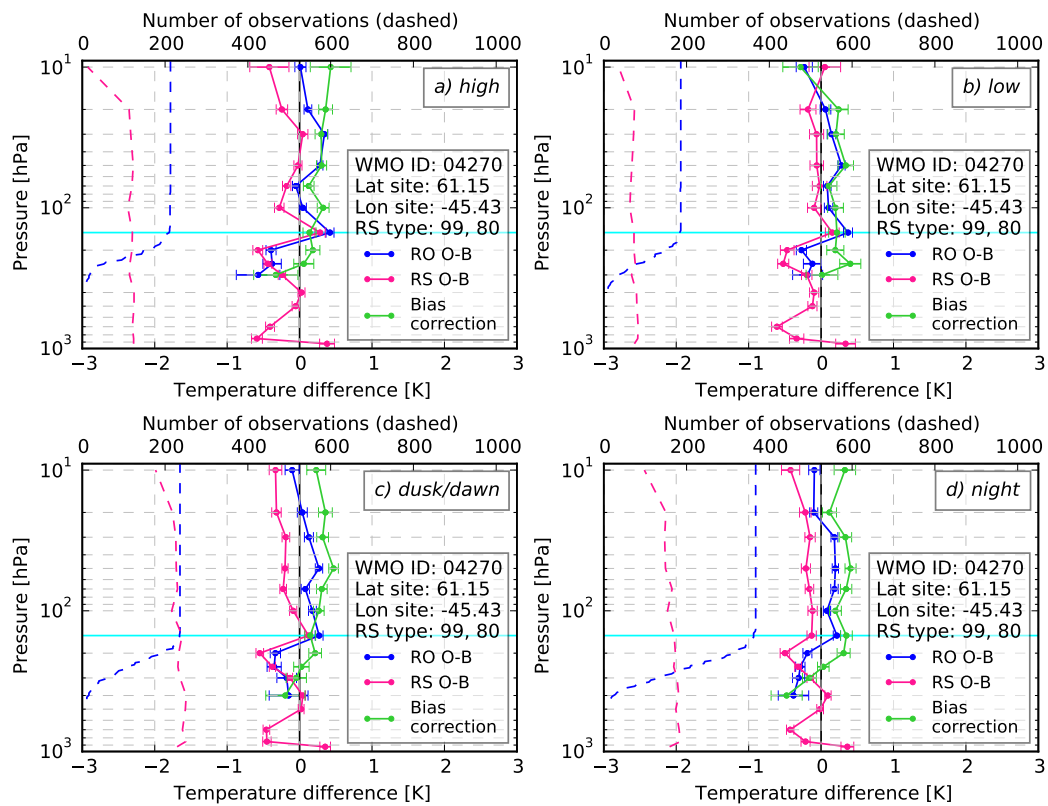
**Figure 1.23:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.24 WMO ID 04220



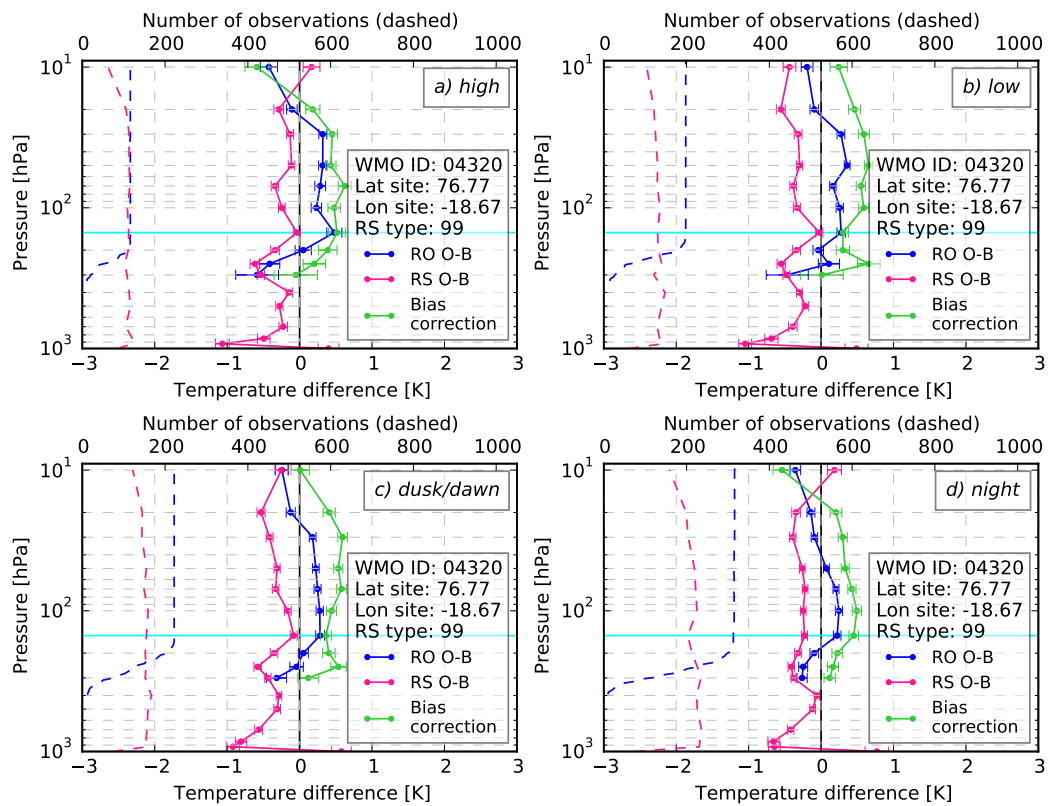
**Figure 1.24:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.25 WMO ID 04270



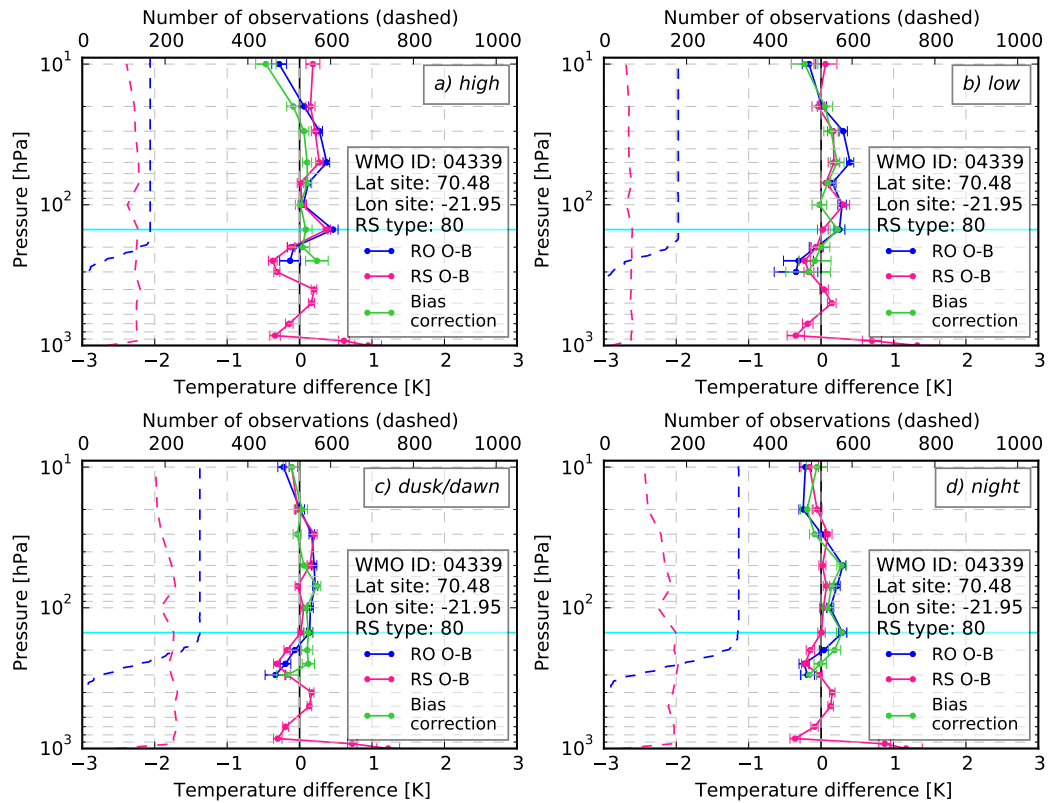
**Figure 1.25:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.26 WMO ID 04320



**Figure 1.26:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

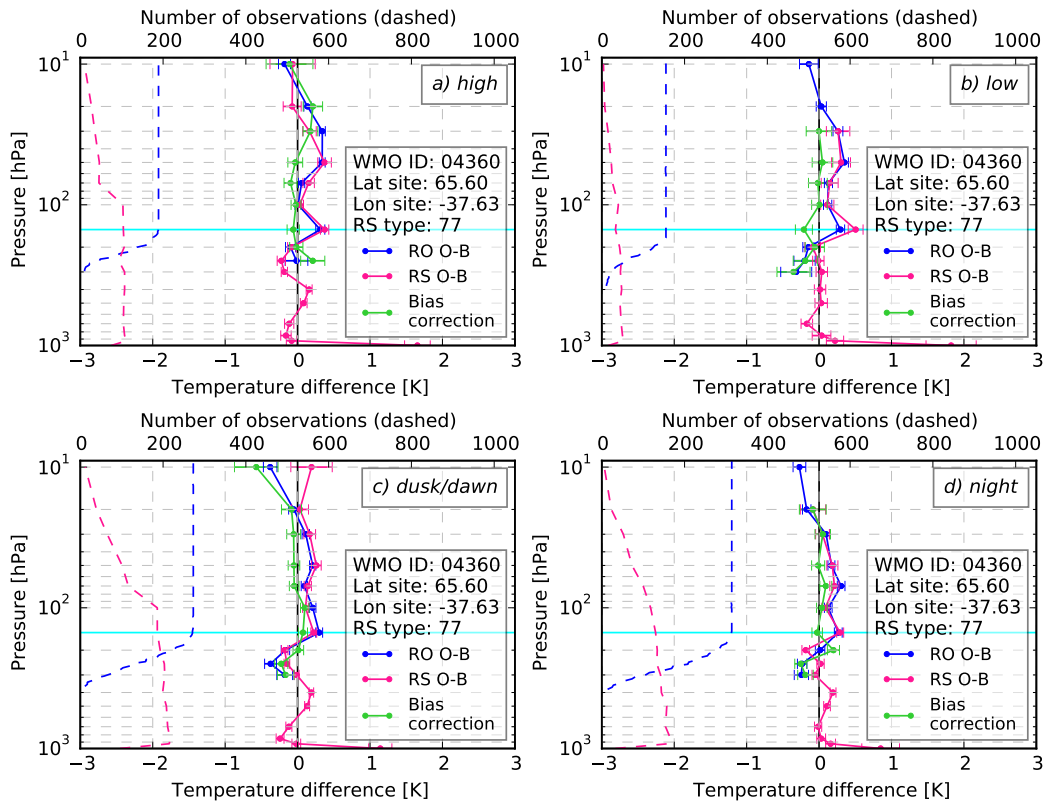
## 1.27 WMO ID 04339



**Figure 1.27:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

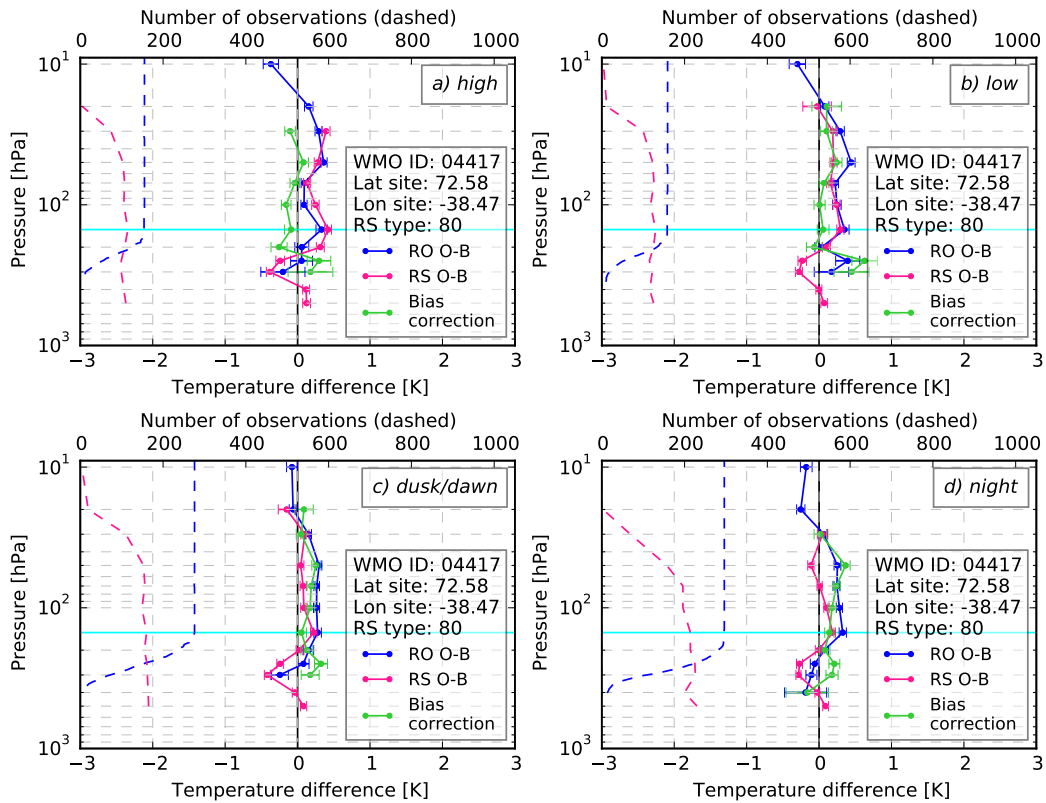


## 1.28 WMO ID 04360



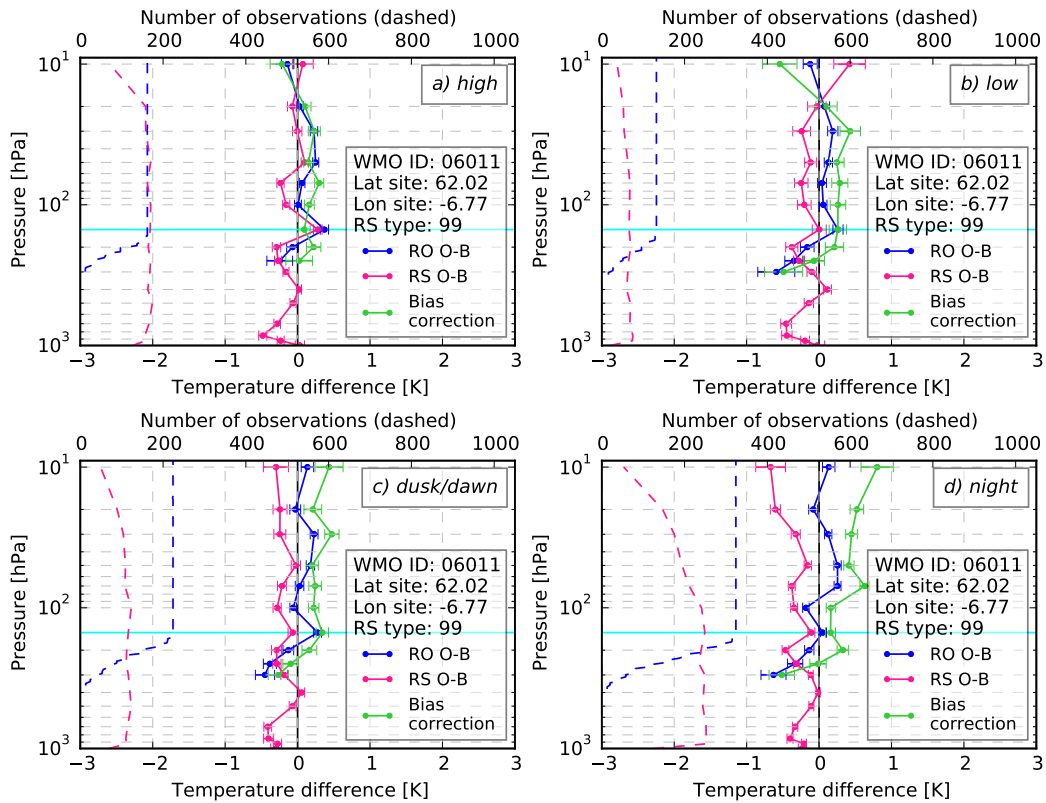
**Figure 1.28:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.29 WMO ID 04417



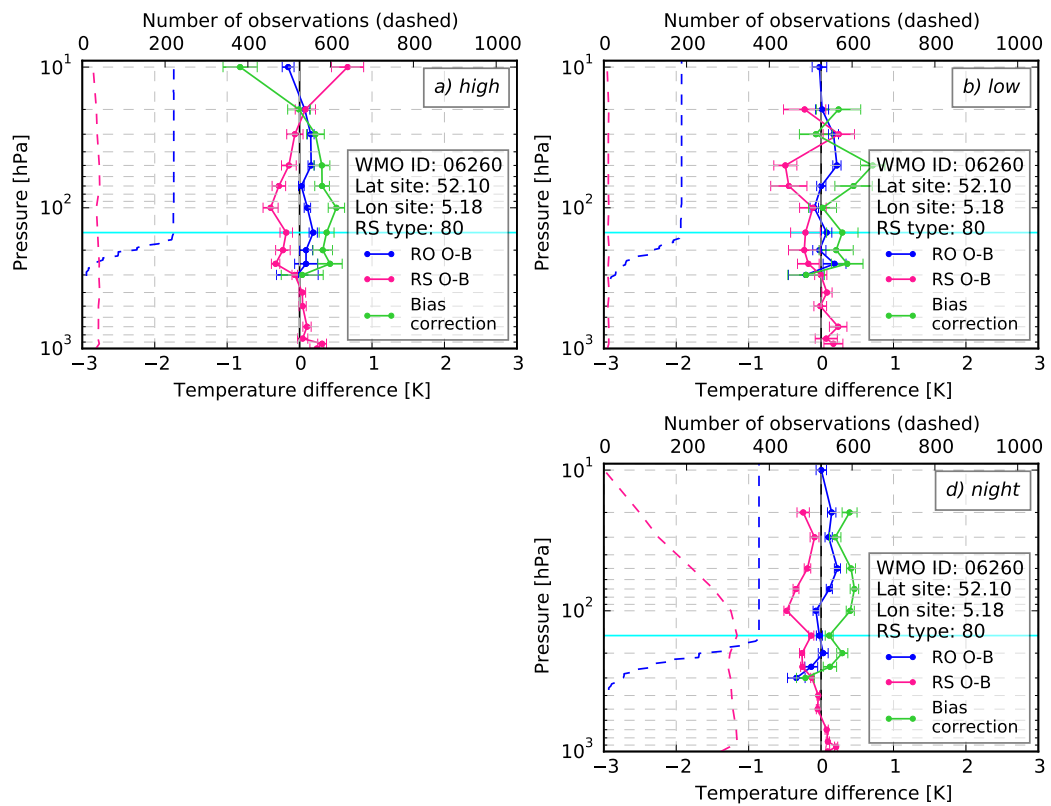
**Figure 1.29:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.30 WMO ID 06011



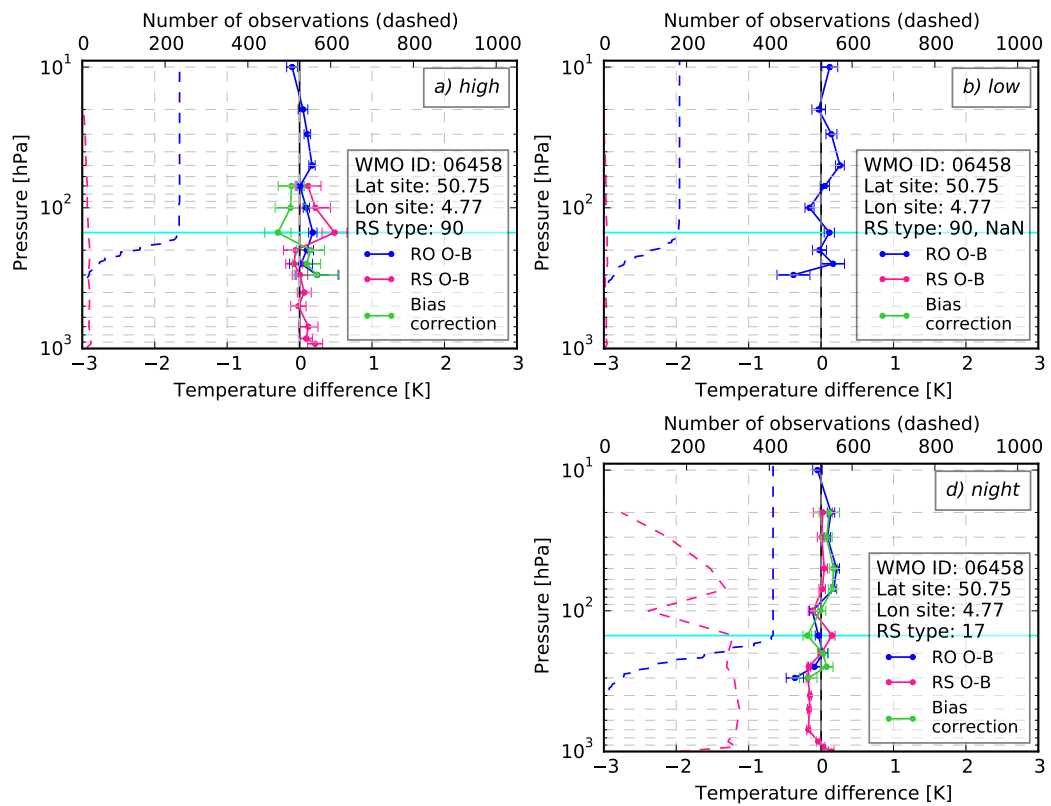
**Figure 1.30:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.31 WMO ID 06260



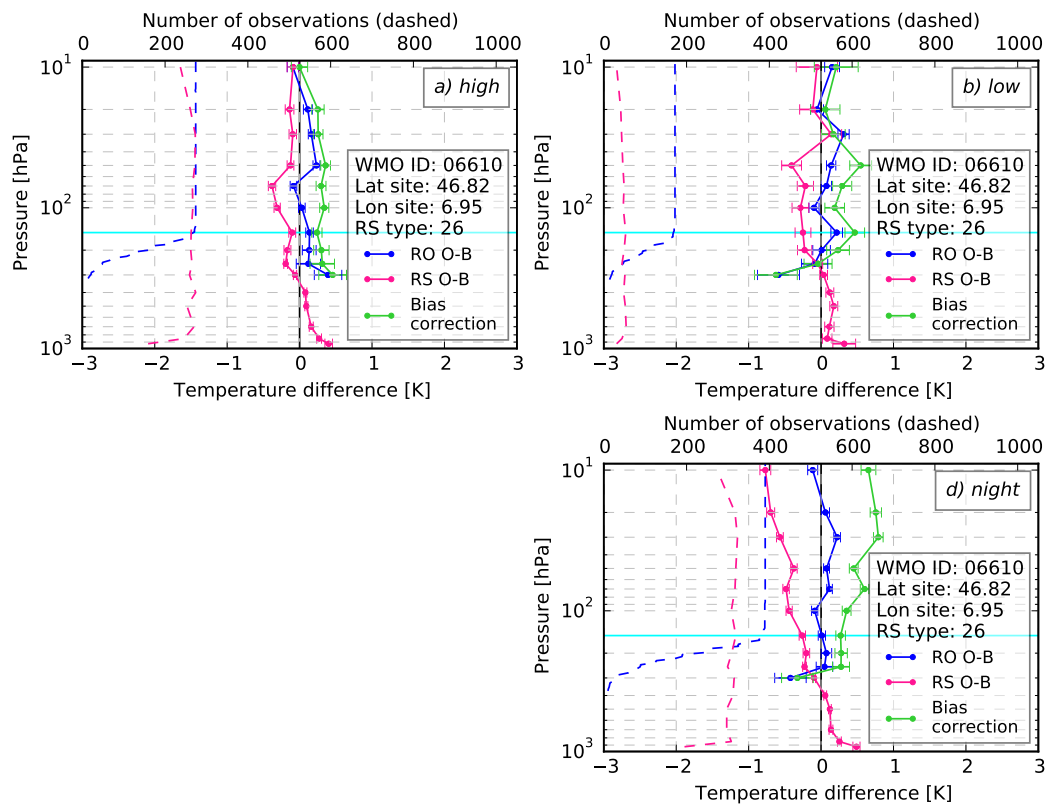
**Figure 1.31:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.32 WMO ID 06458



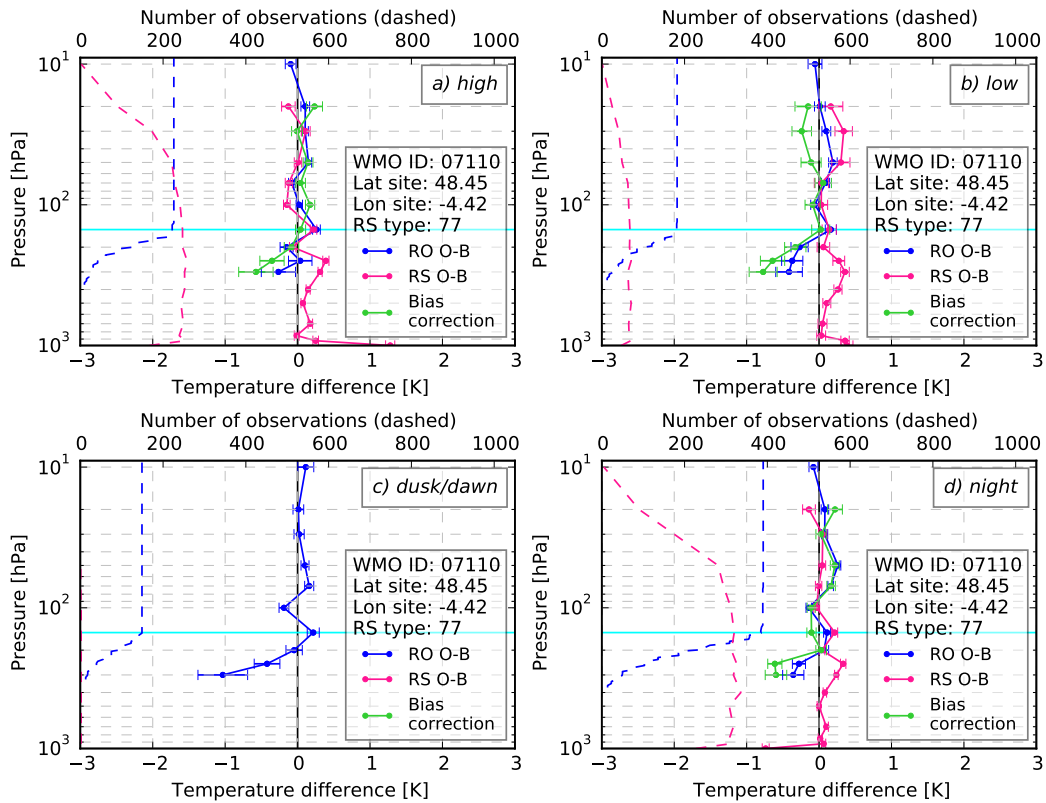
**Figure 1.32:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.33 WMO ID 06610



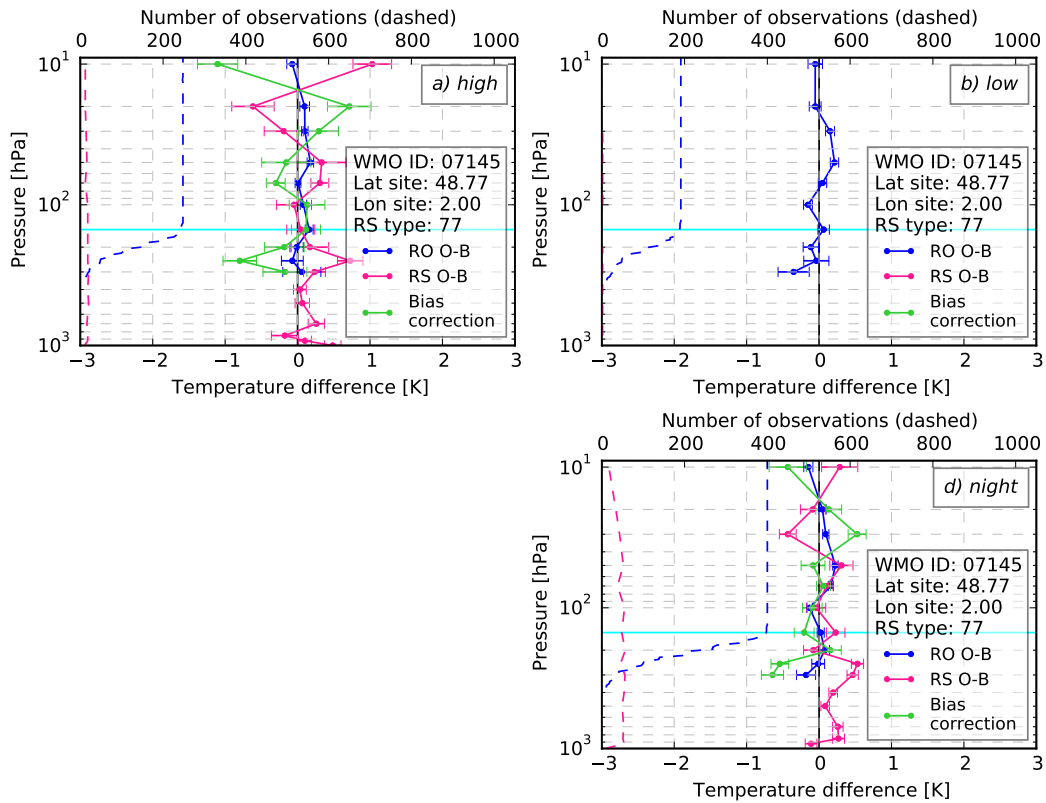
**Figure 1.33:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.34 WMO ID 07110



**Figure 1.34:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

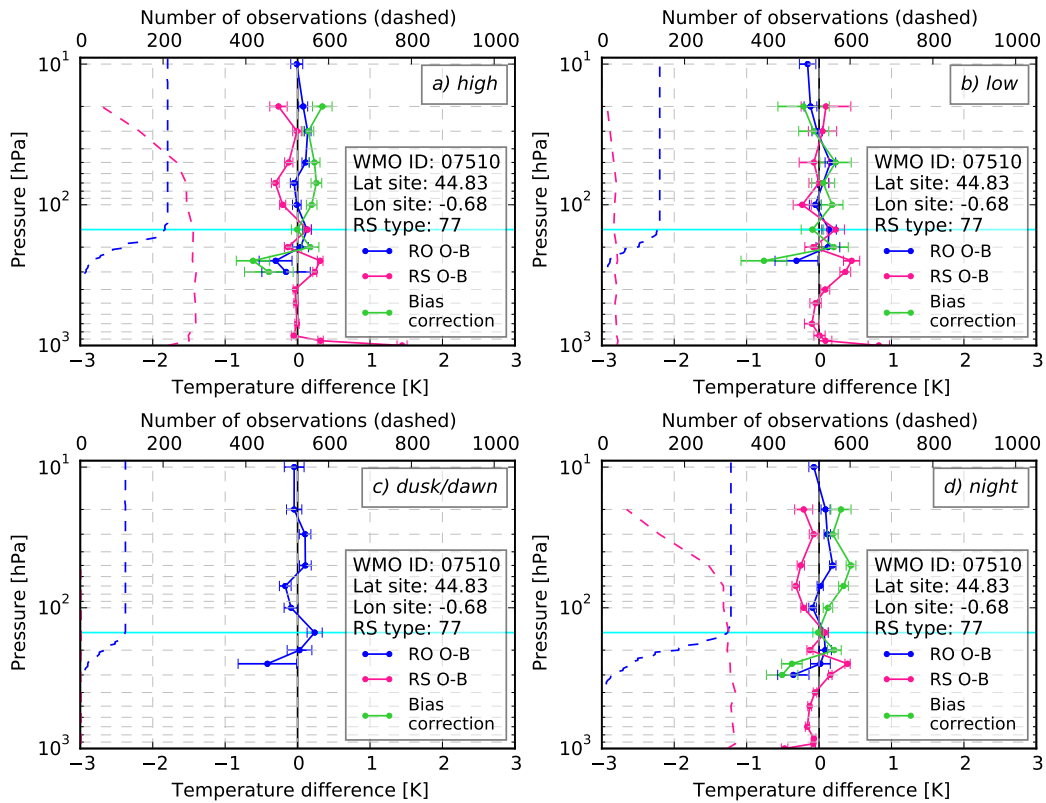
### 1.35 WMO ID 07145



**Figure 1.35:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

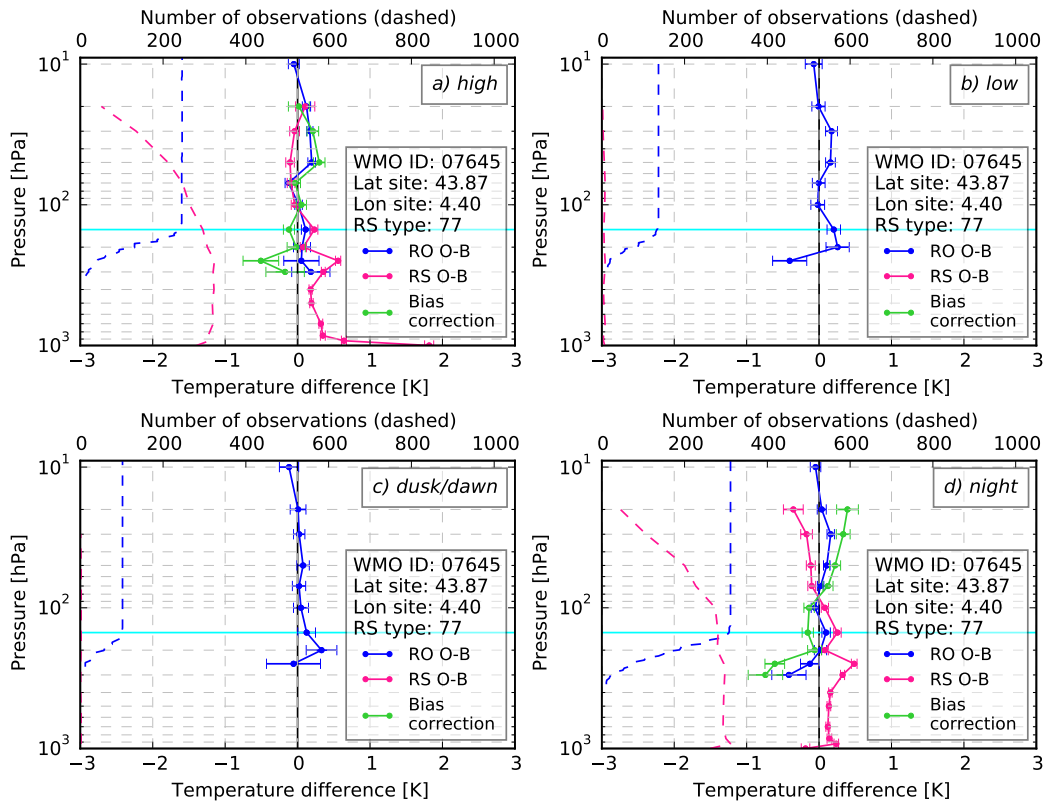


### 1.36 WMO ID 07510



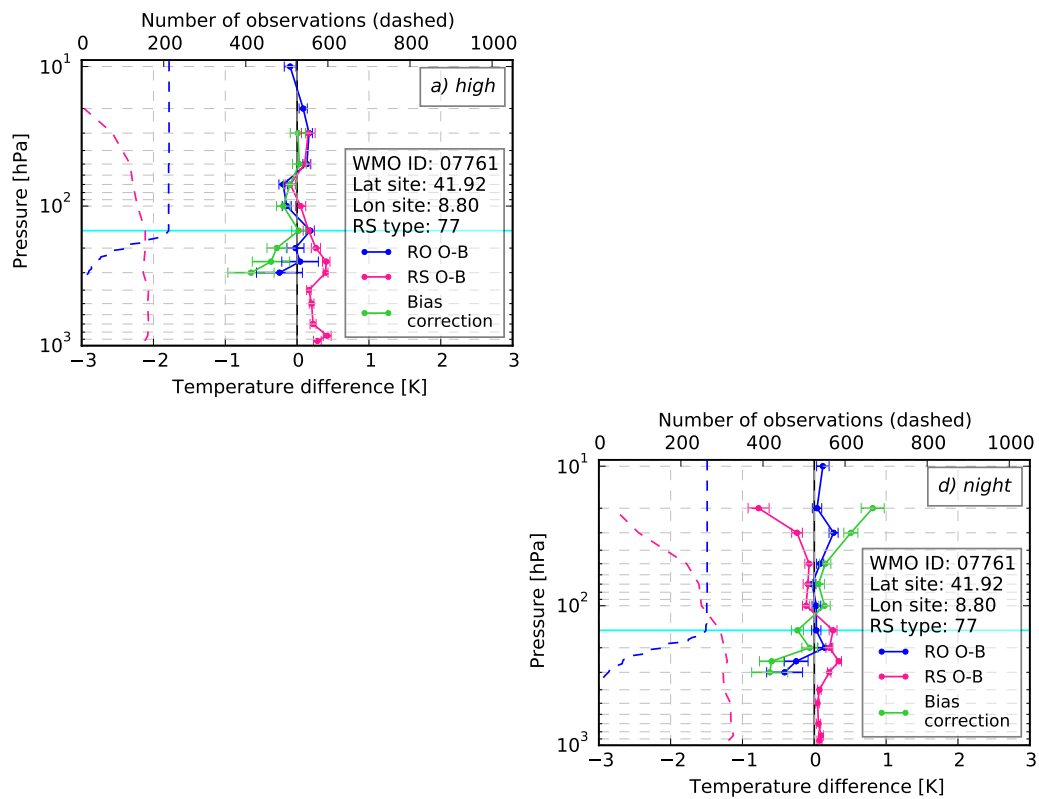
**Figure 1.36:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.37 WMO ID 07645



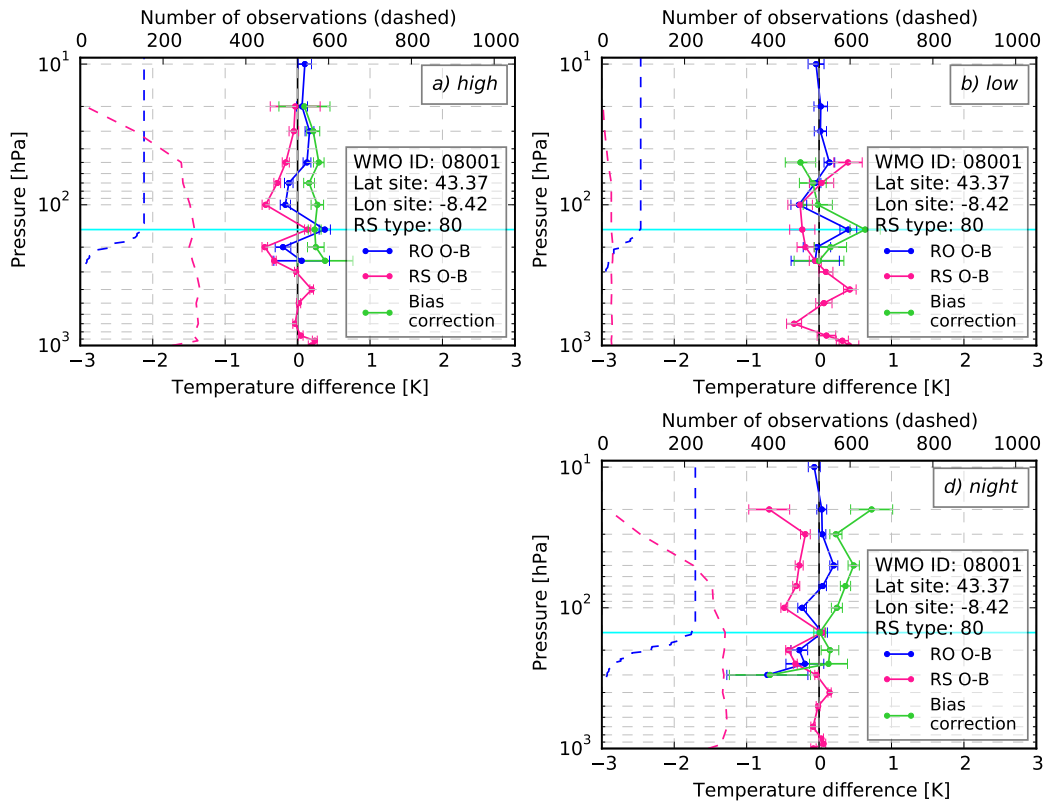
**Figure 1.37:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.38 WMO ID 07761



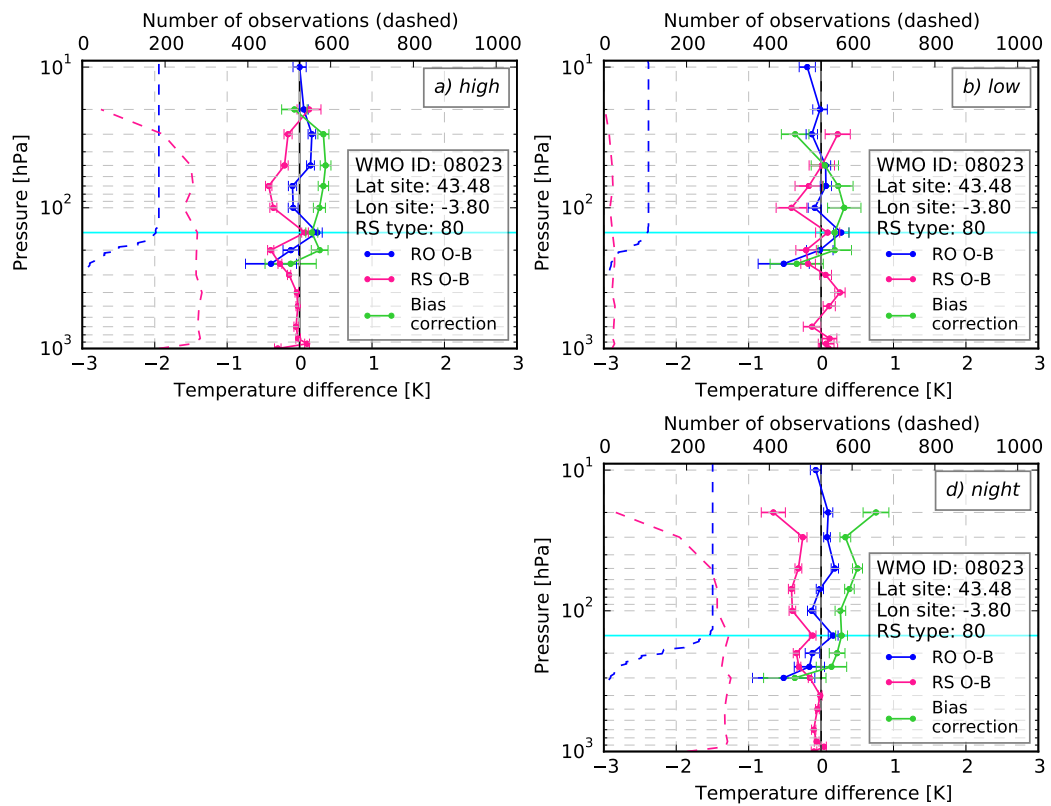
**Figure 1.38:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.39 WMO ID 08001



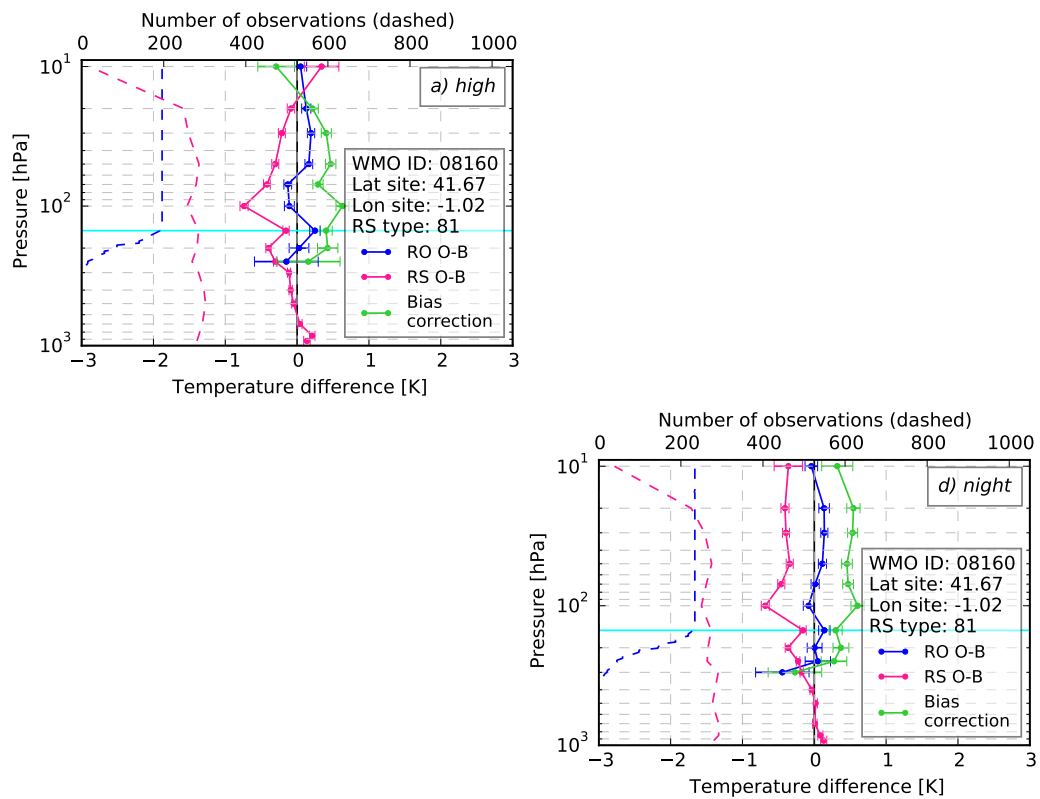
**Figure 1.39:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.40 WMO ID 08023



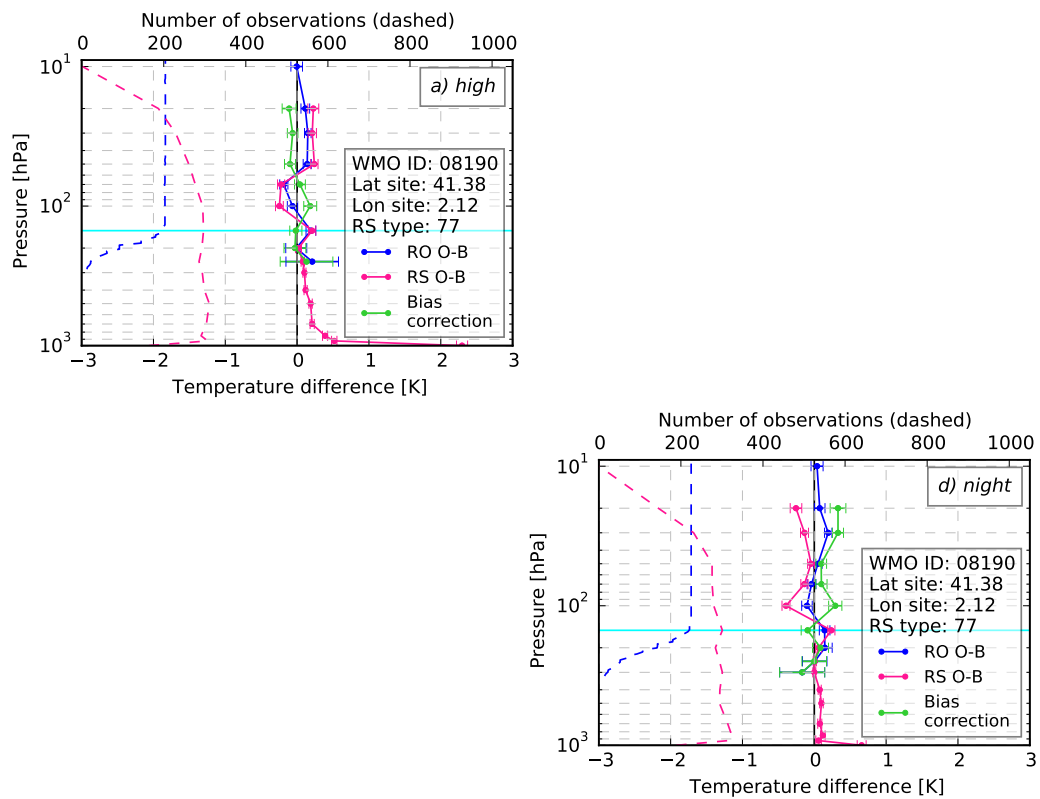
**Figure 1.40:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.41 WMO ID 08160



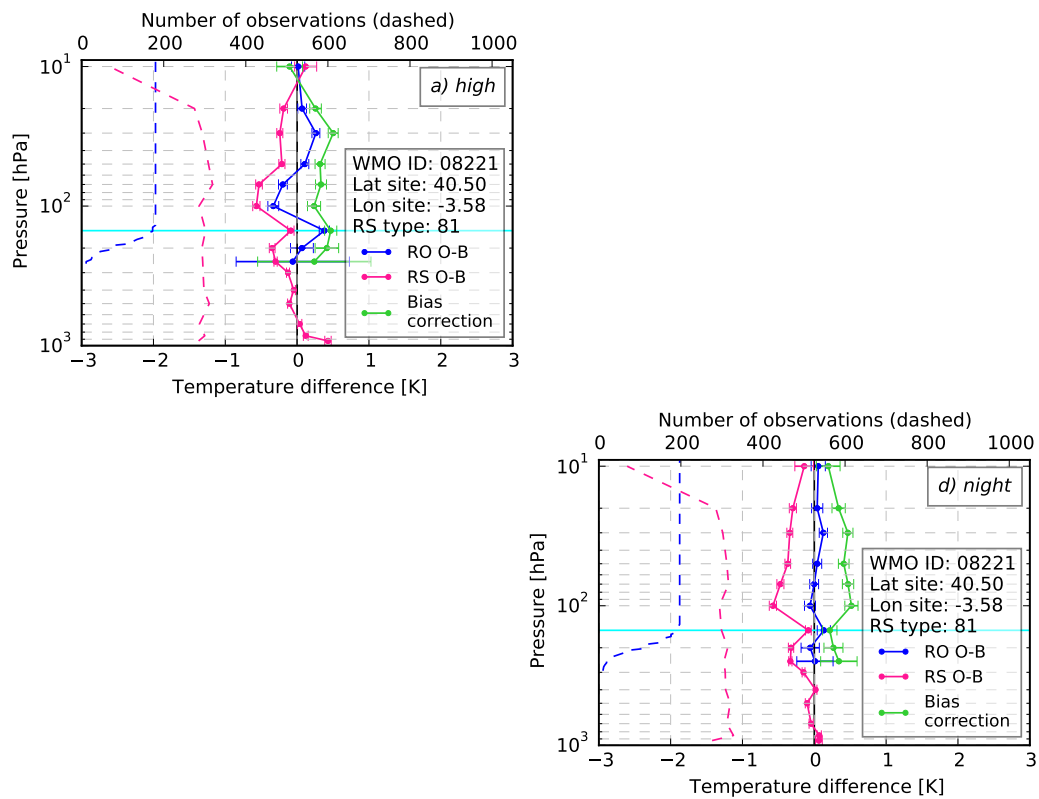
**Figure 1.41:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.42 WMO ID 08190



**Figure 1.42:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

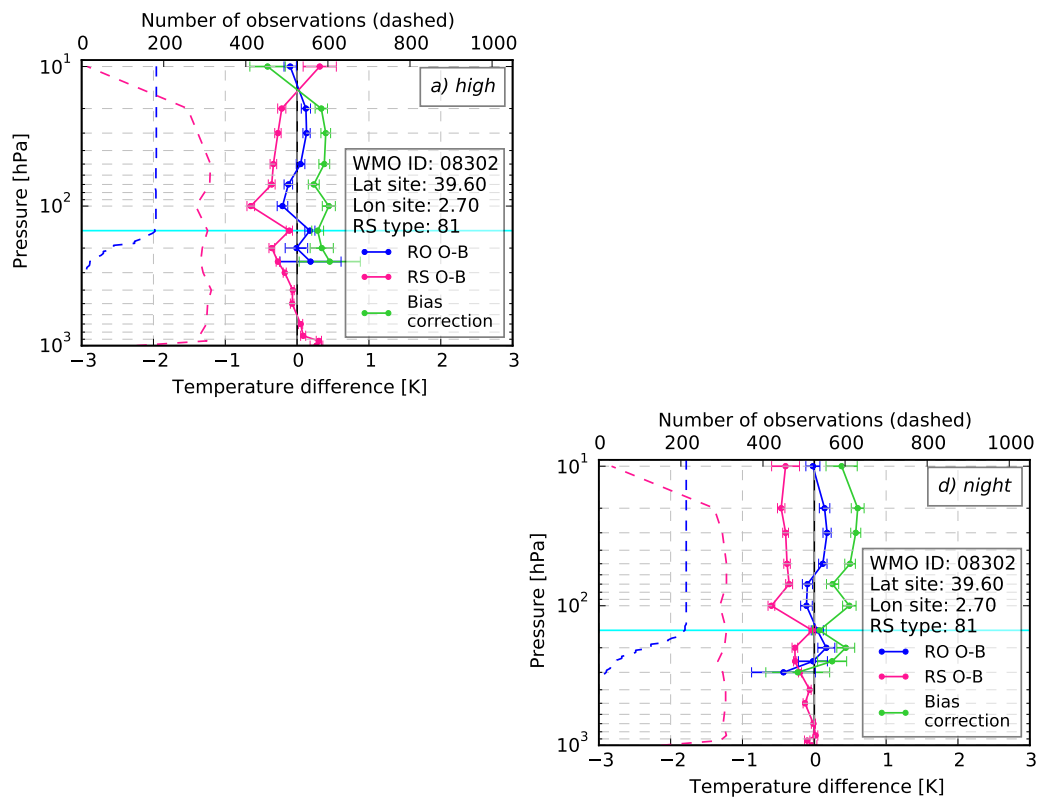
### 1.43 WMO ID 08221



**Figure 1.43:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

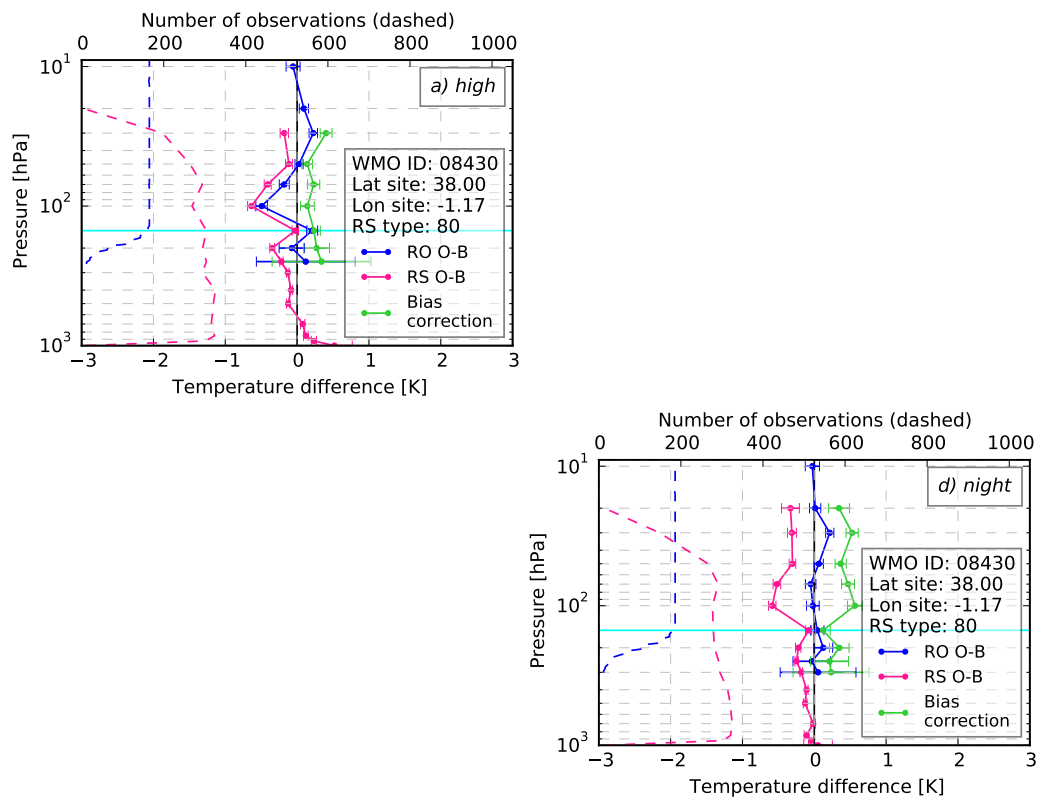


## 1.44 WMO ID 08302



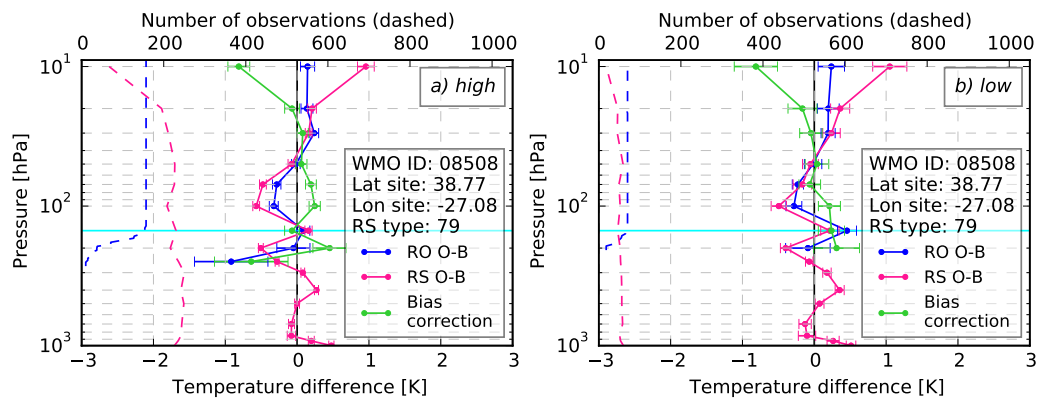
**Figure 1.44:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.45 WMO ID 08430



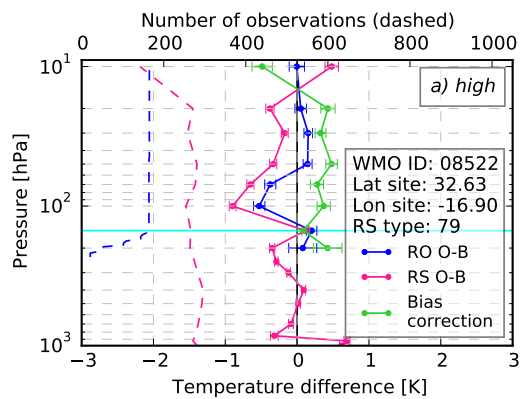
**Figure 1.45:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.46 WMO ID 08508



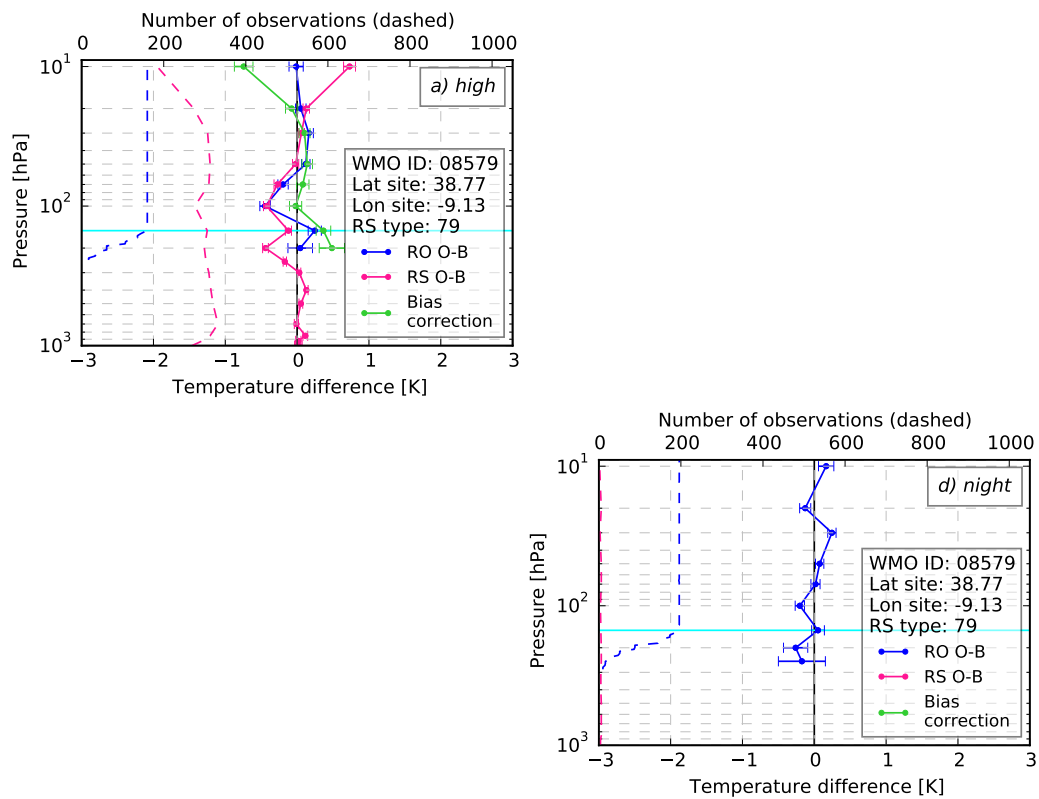
**Figure 1.46:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.47 WMO ID 08522



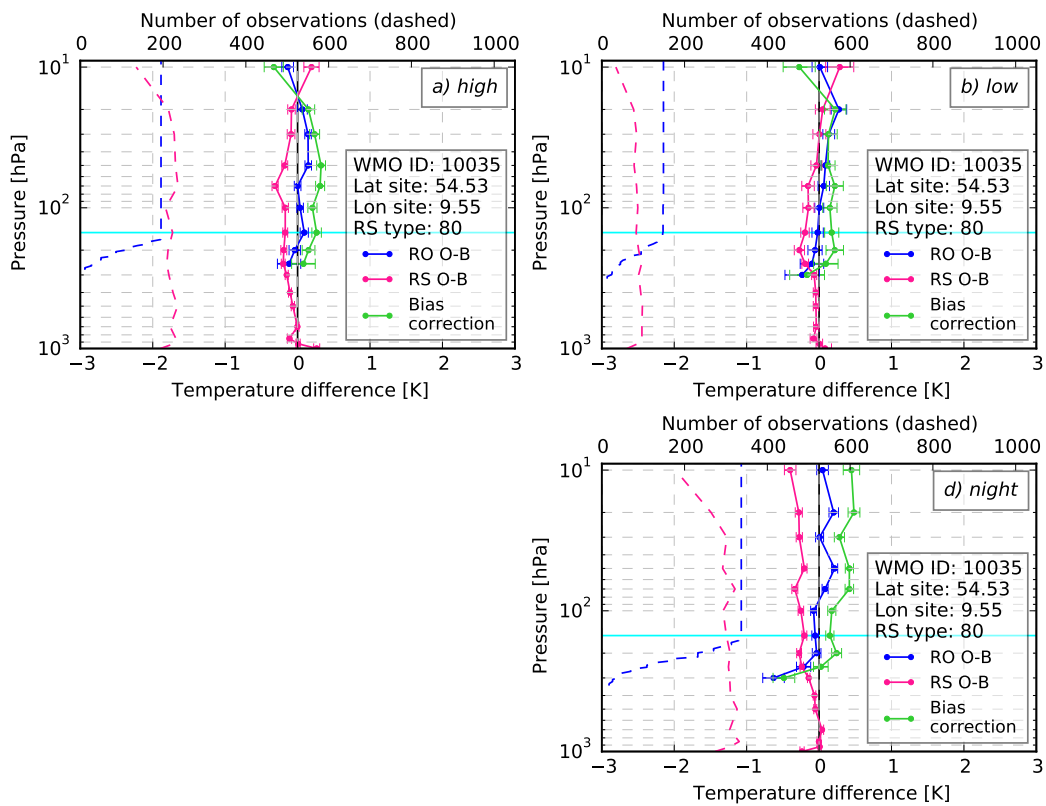
**Figure 1.47:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.48 WMO ID 08579



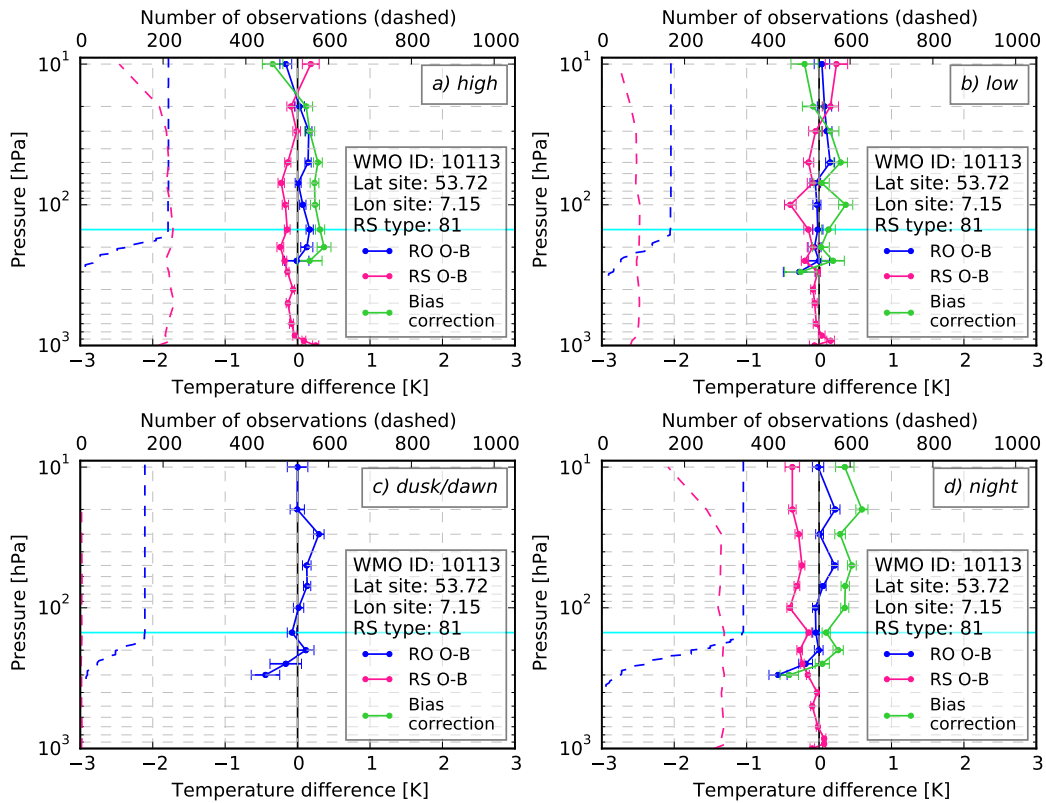
**Figure 1.48:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.49 WMO ID 10035



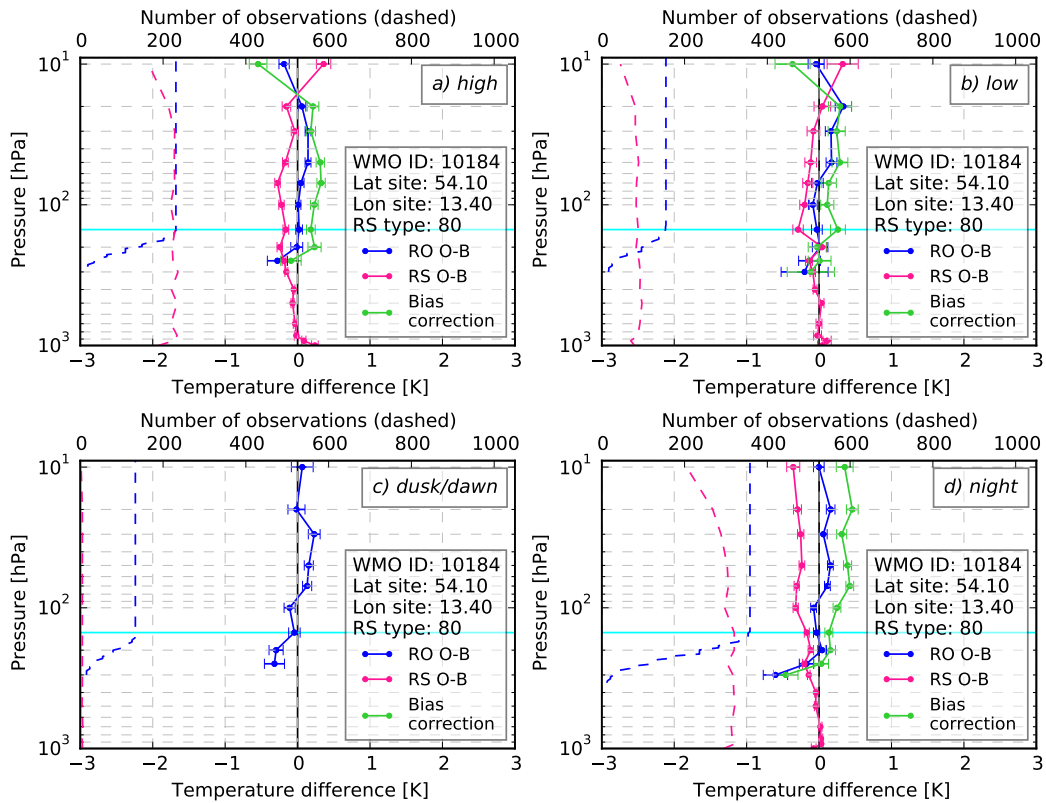
**Figure 1.49:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.50 WMO ID 10113



**Figure 1.50:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

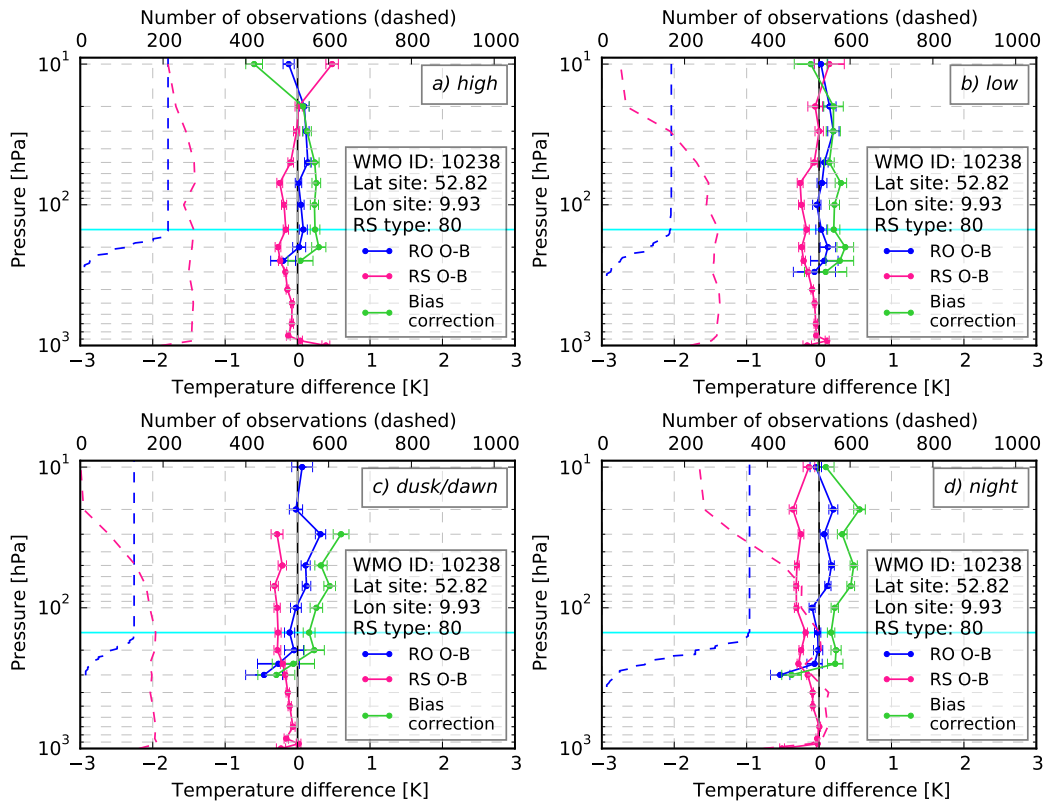
## 1.51 WMO ID 10184



**Figure 1.51:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

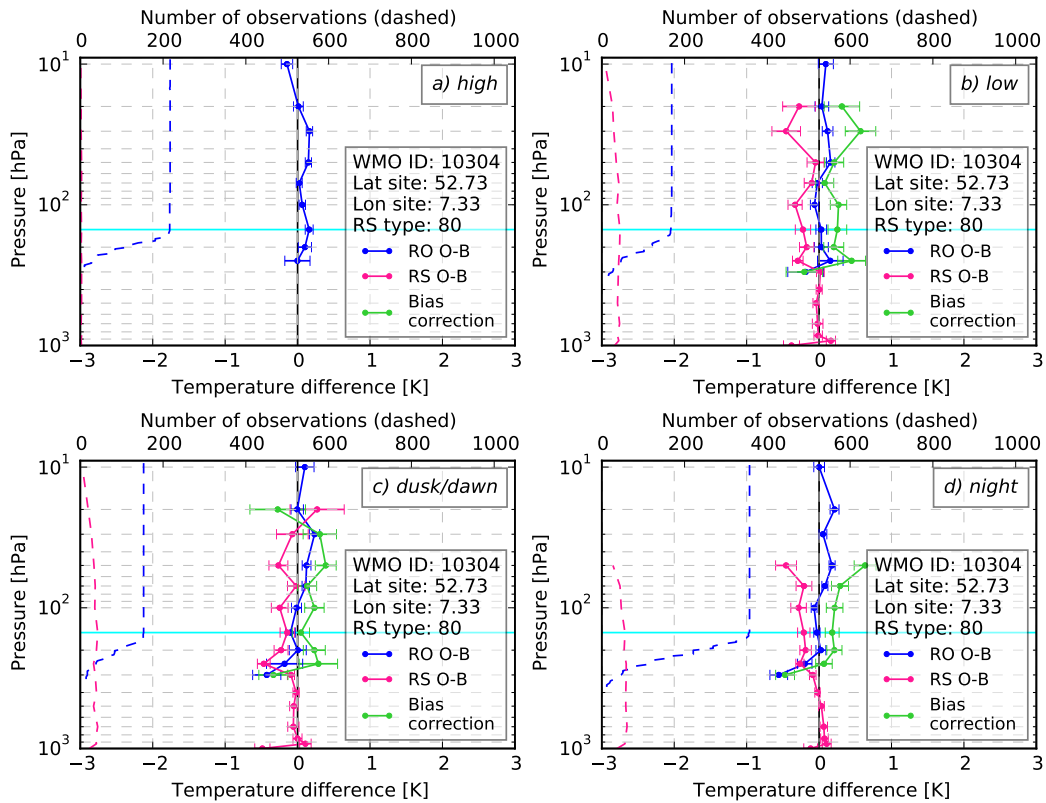


## 1.52 WMO ID 10238



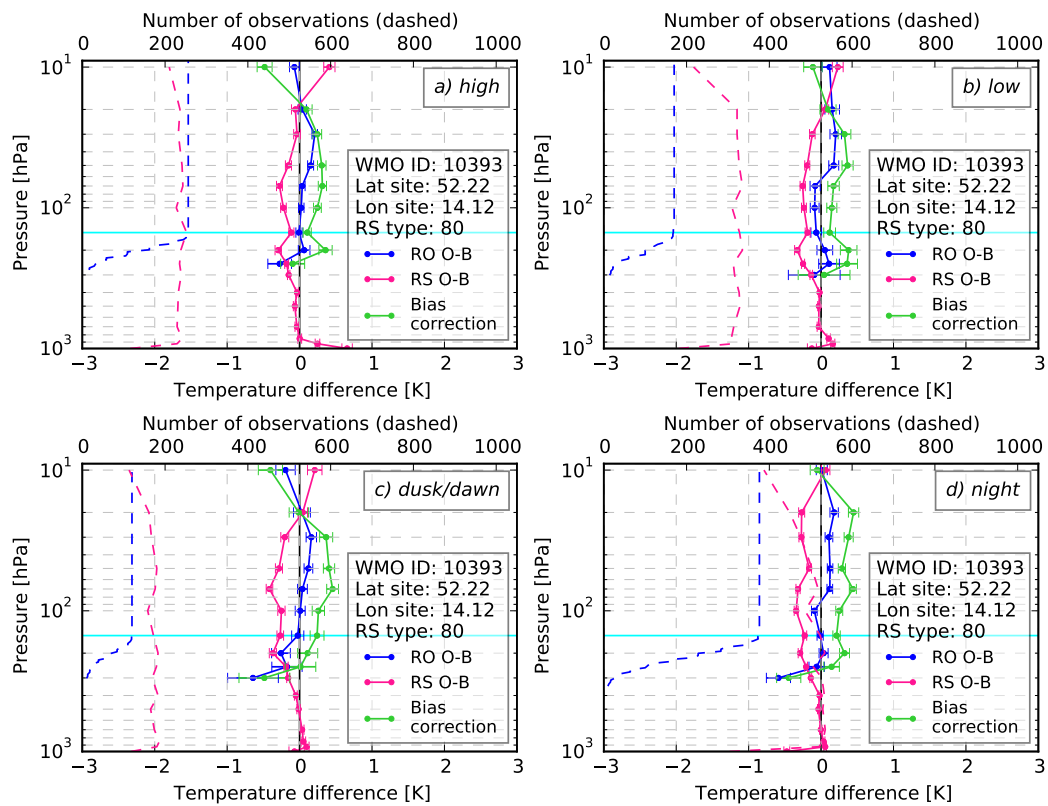
**Figure 1.52:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.53 WMO ID 10304



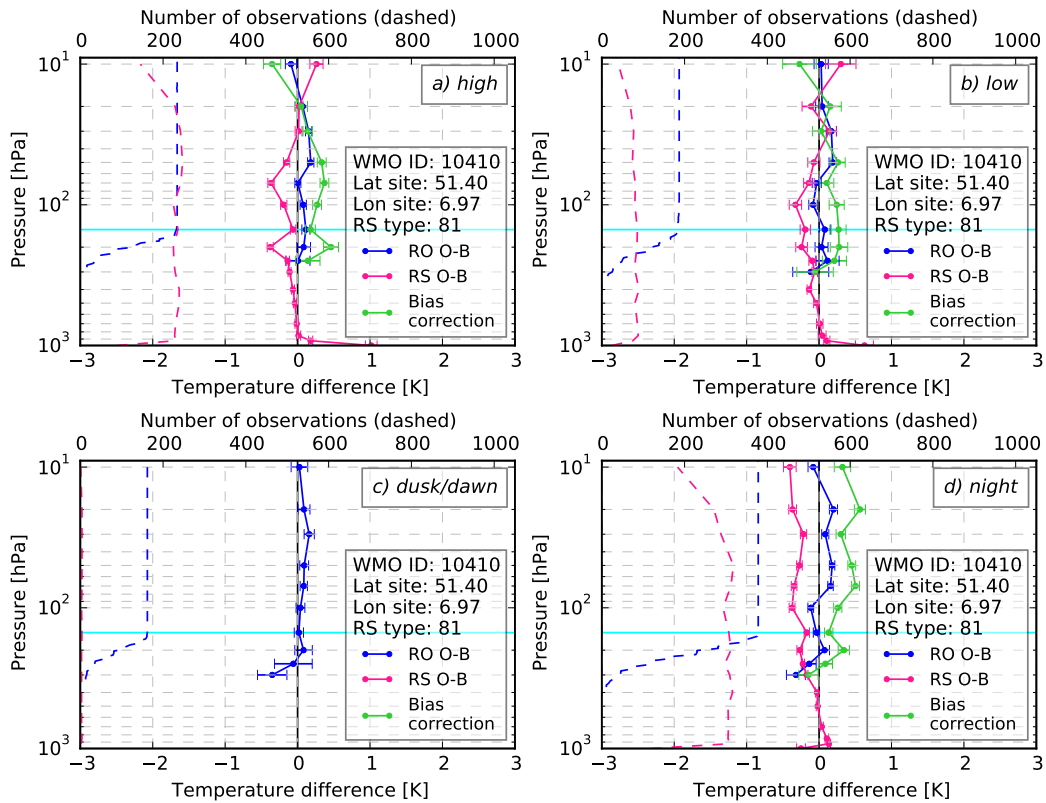
**Figure 1.53:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.54 WMO ID 10393



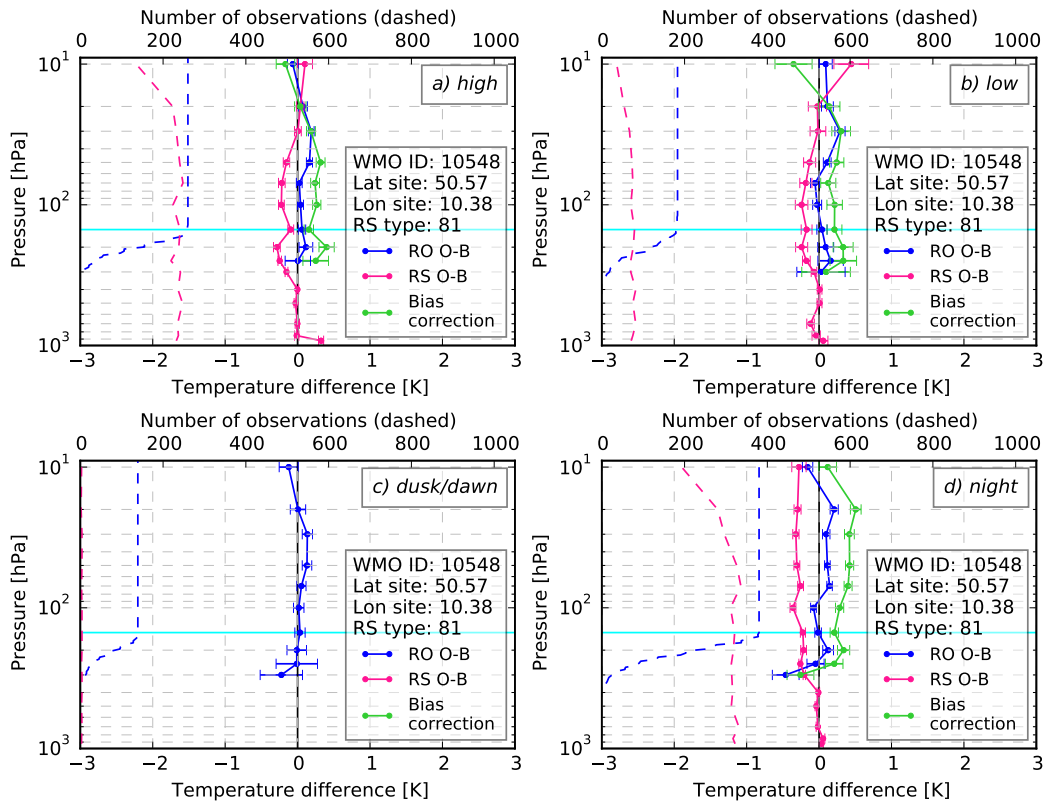
**Figure 1.54:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.55 WMO ID 10410



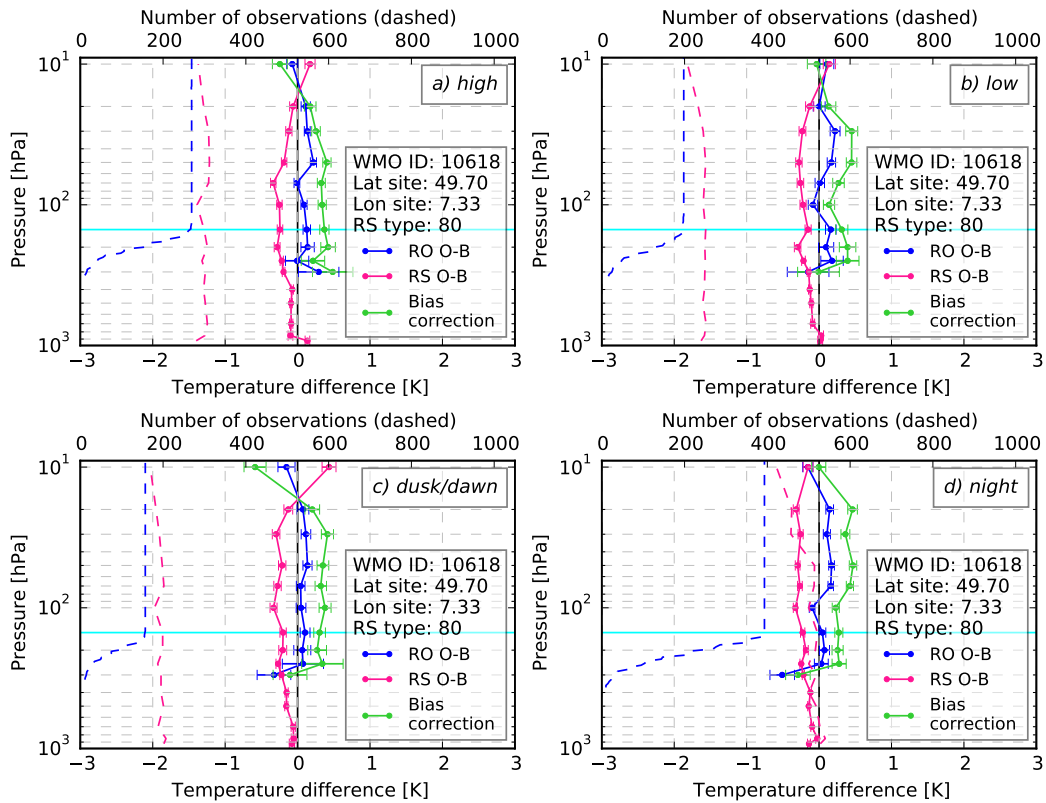
**Figure 1.55:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.56 WMO ID 10548



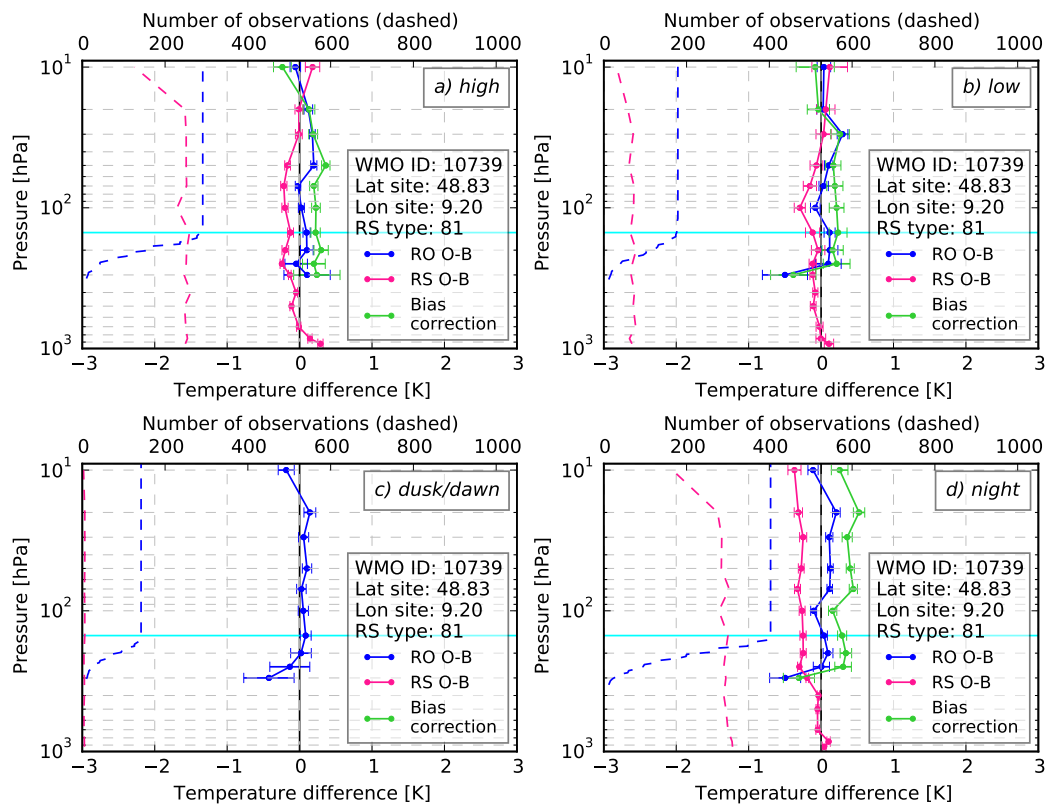
**Figure 1.56:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.57 WMO ID 10618



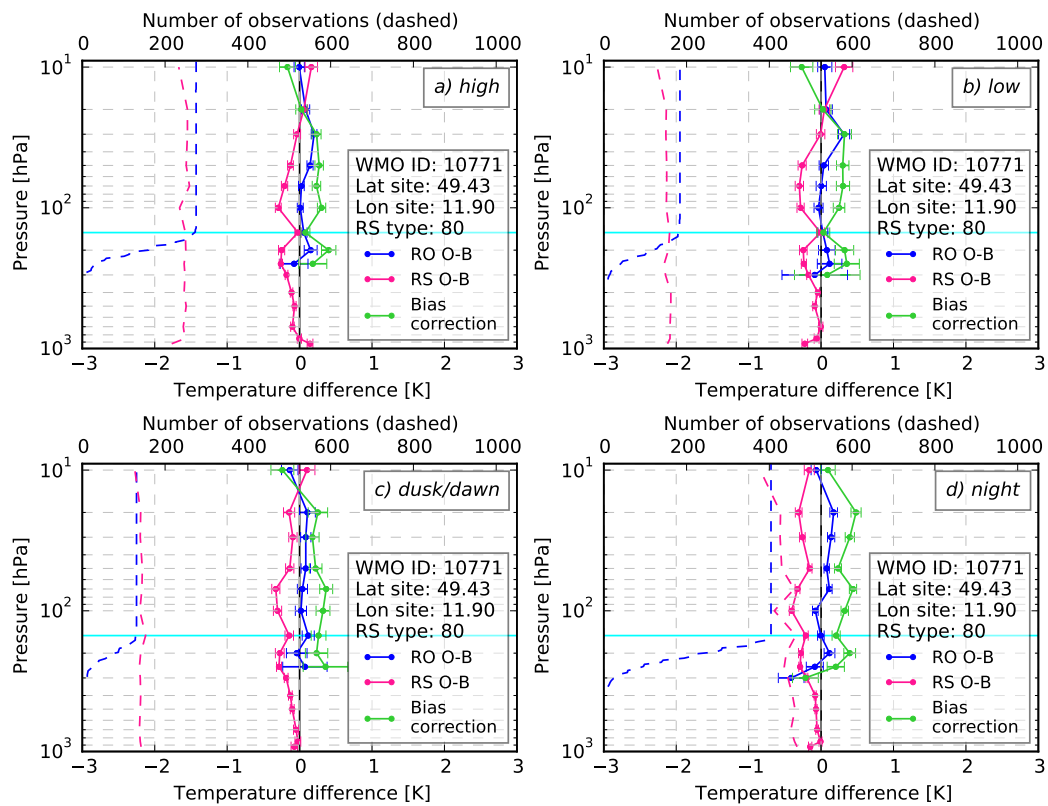
**Figure 1.57:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.58 WMO ID 10739



**Figure 1.58:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

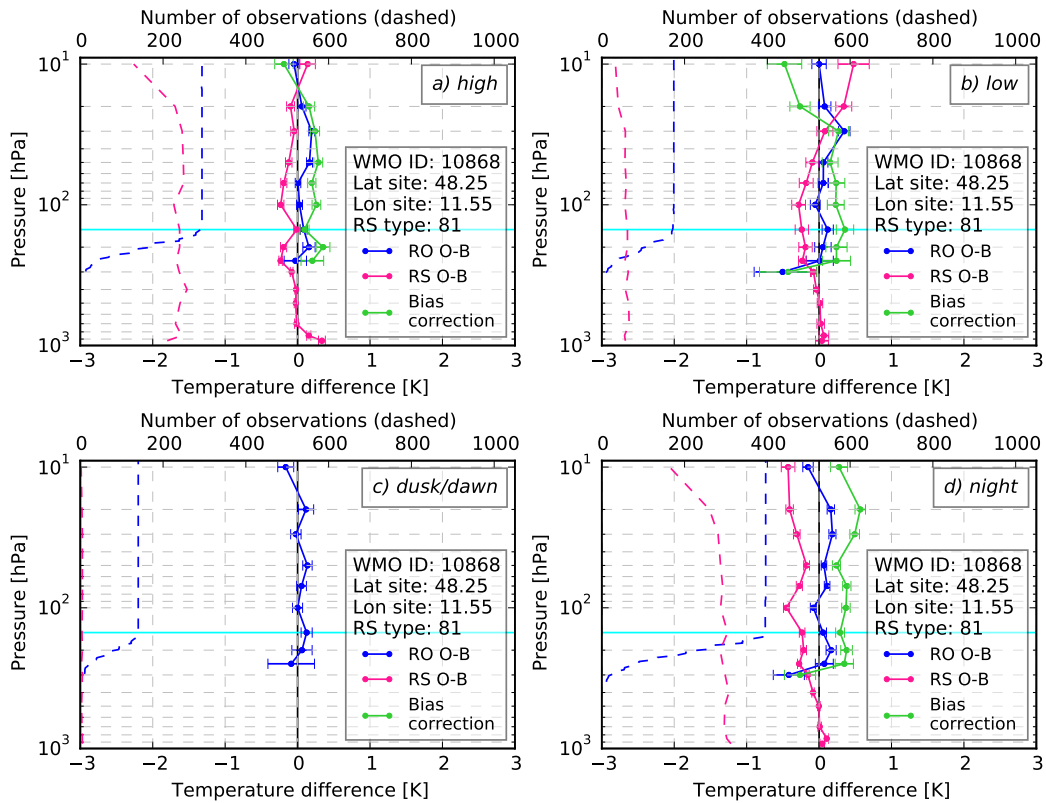
## 1.59 WMO ID 10771



**Figure 1.59:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

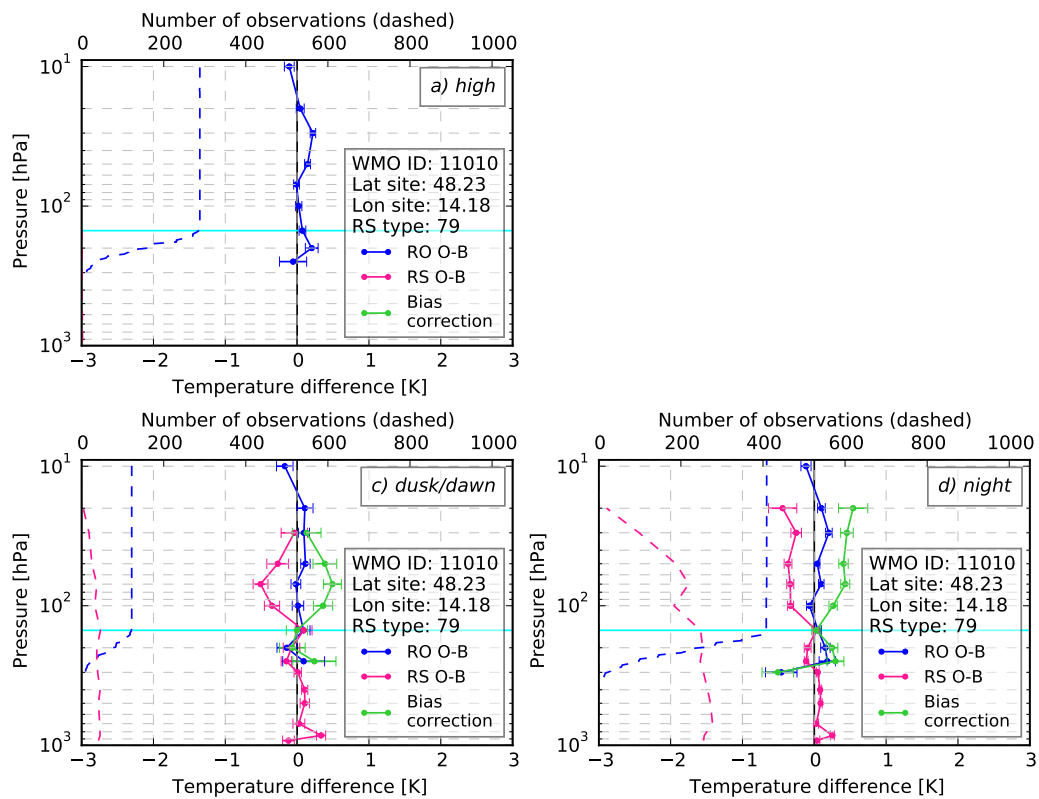


## 1.60 WMO ID 10868



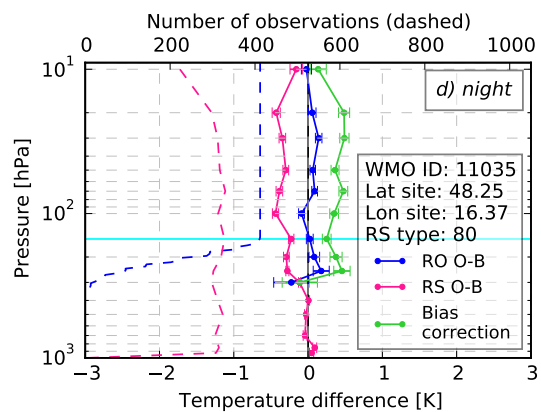
**Figure 1.60:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.61 WMO ID 11010



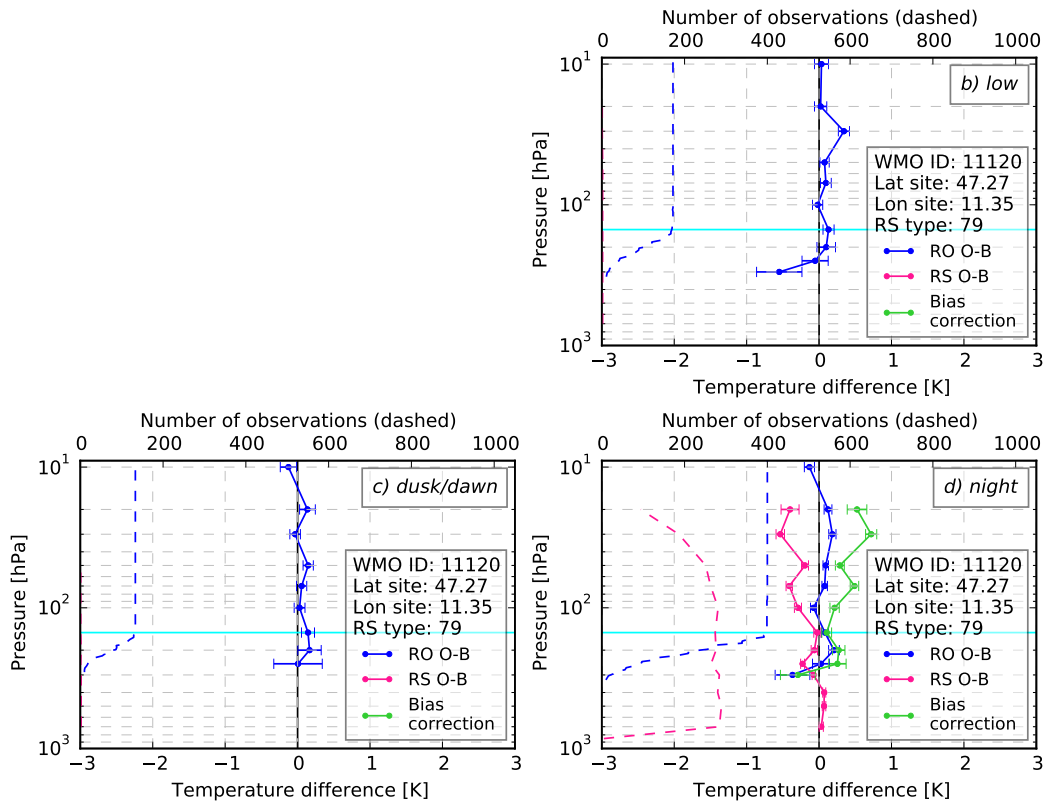
**Figure 1.61:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.62 WMO ID 11035



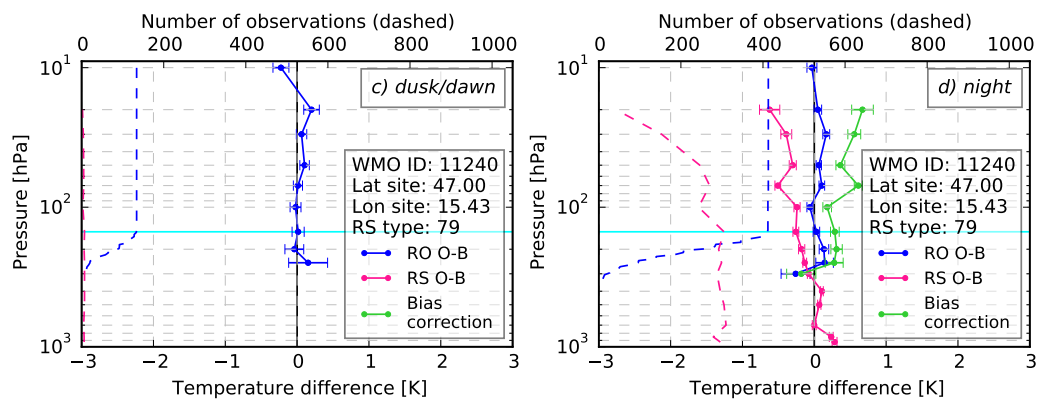
**Figure 1.62:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.63 WMO ID 11120



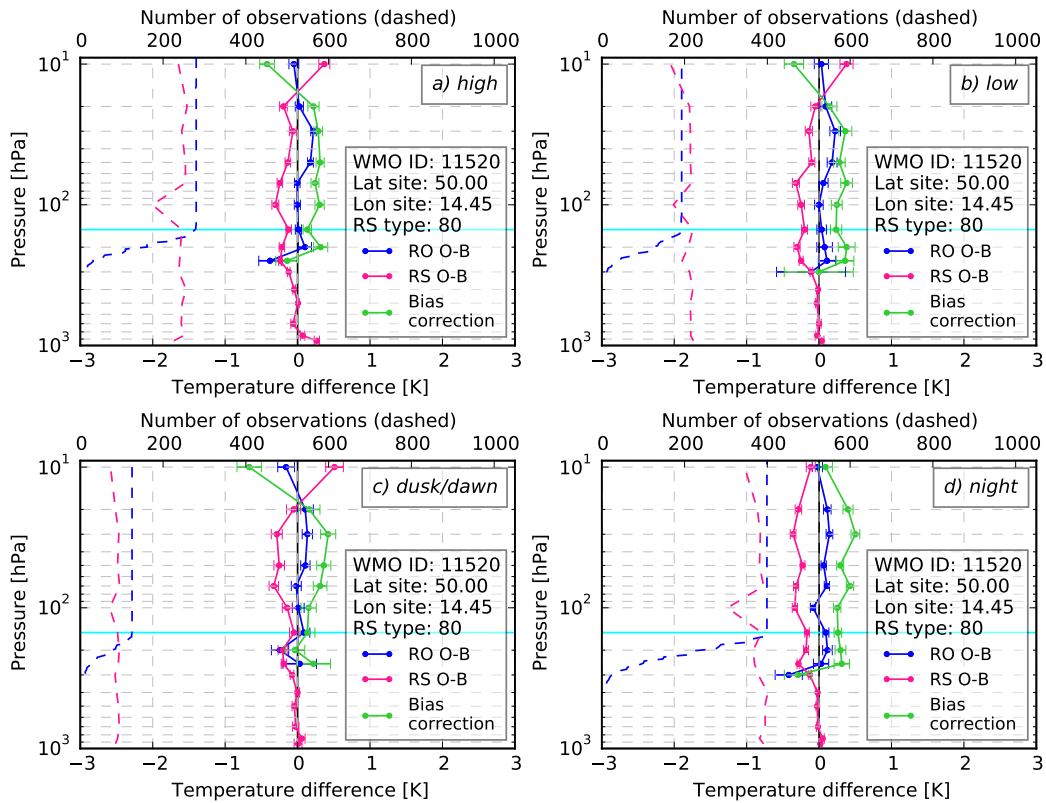
**Figure 1.63:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.64 WMO ID 11240



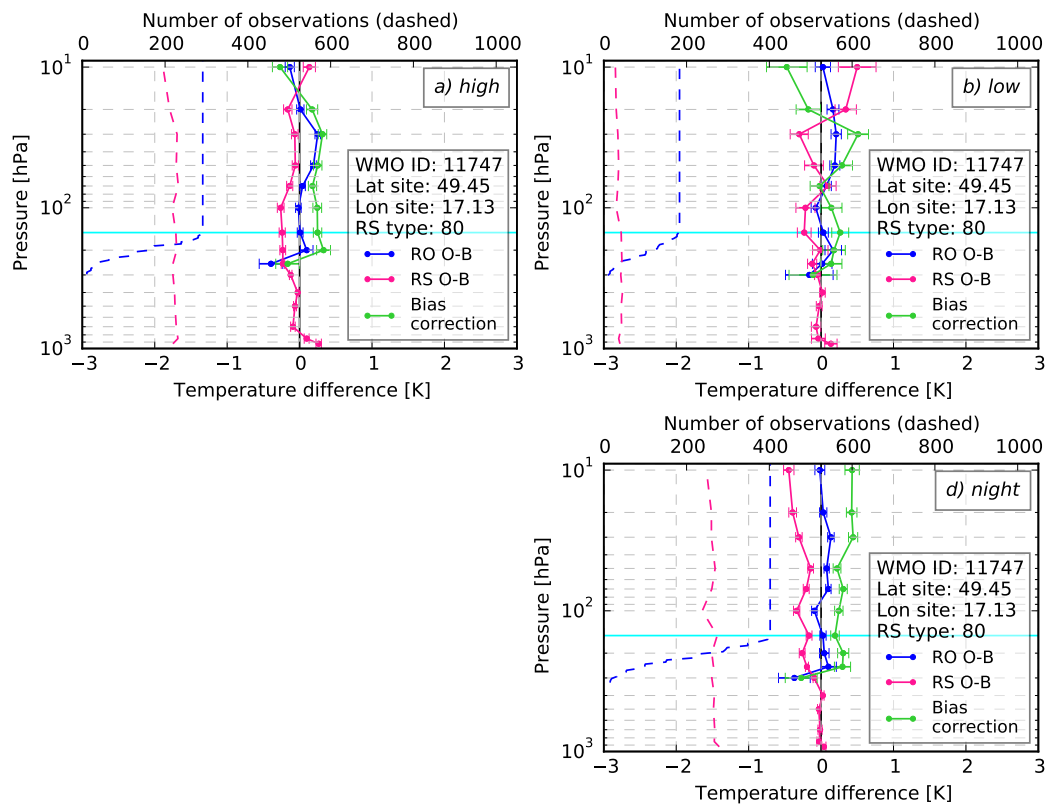
**Figure 1.64:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.65 WMO ID 11520



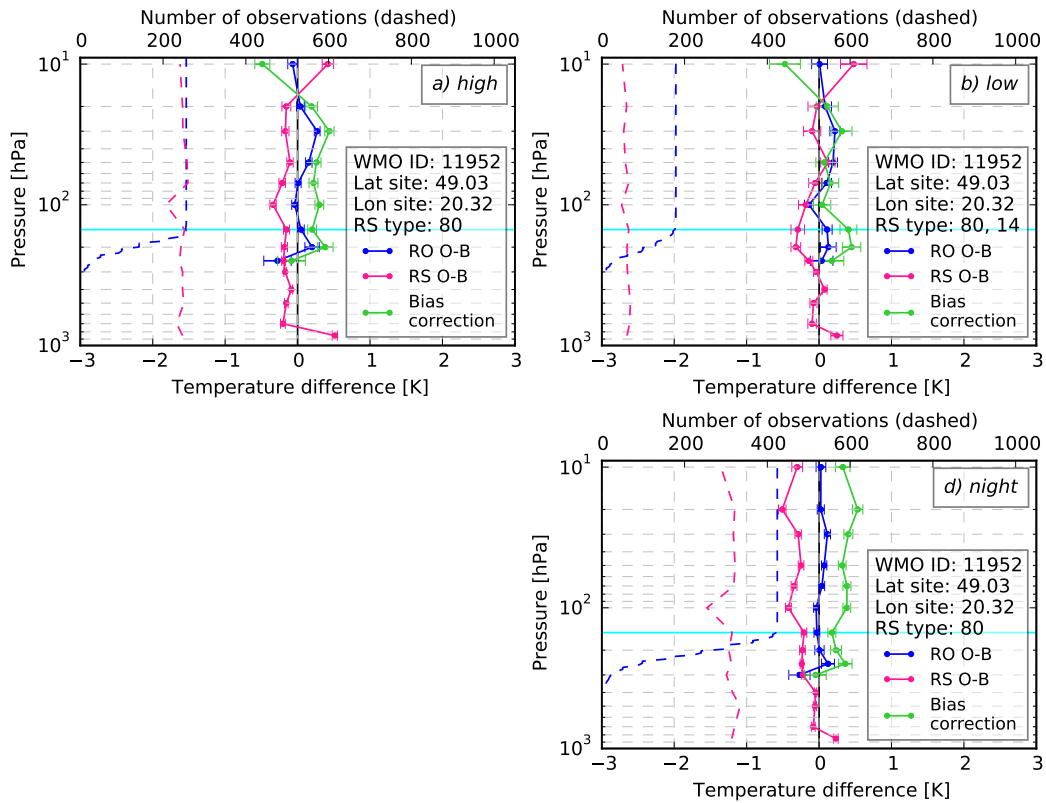
**Figure 1.65:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.66 WMO ID 11747



**Figure 1.66:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

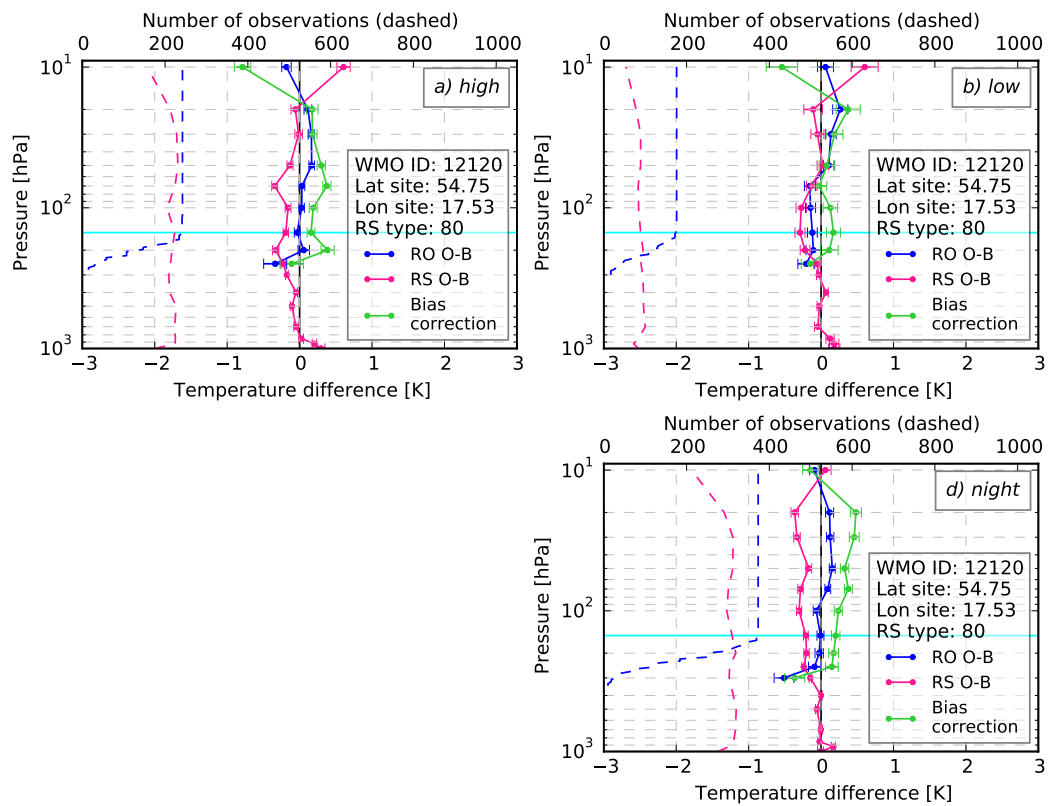
### 1.67 WMO ID 11952



**Figure 1.67:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

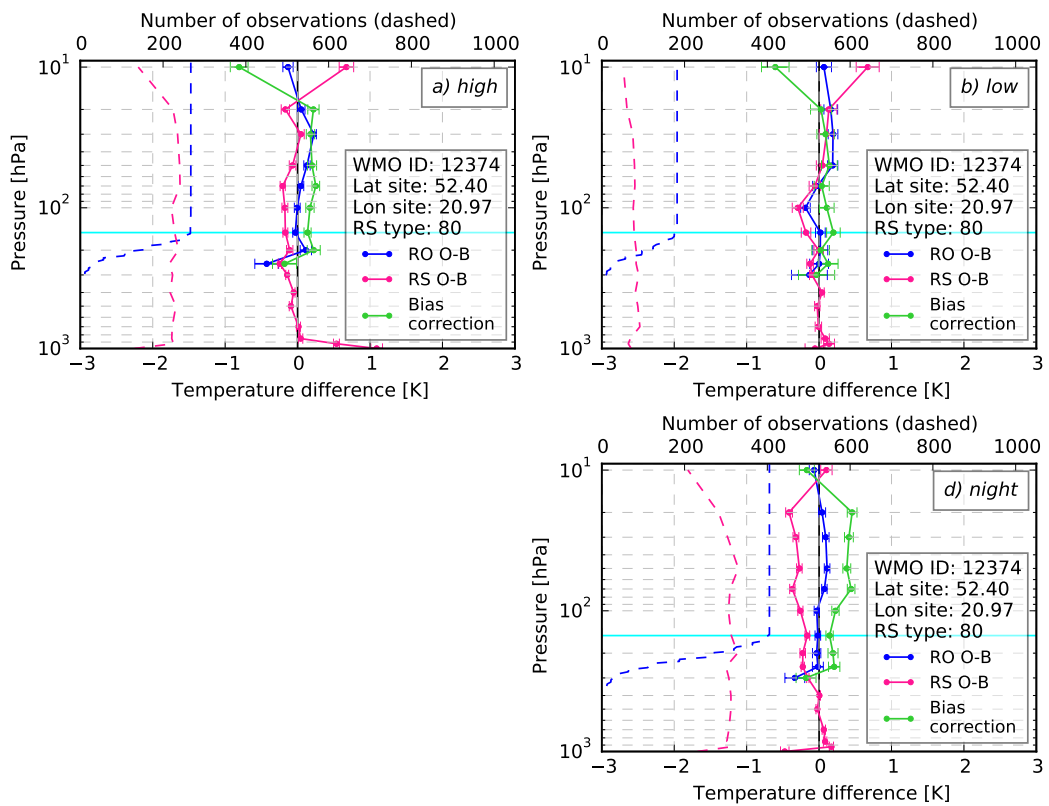


## 1.68 WMO ID 12120



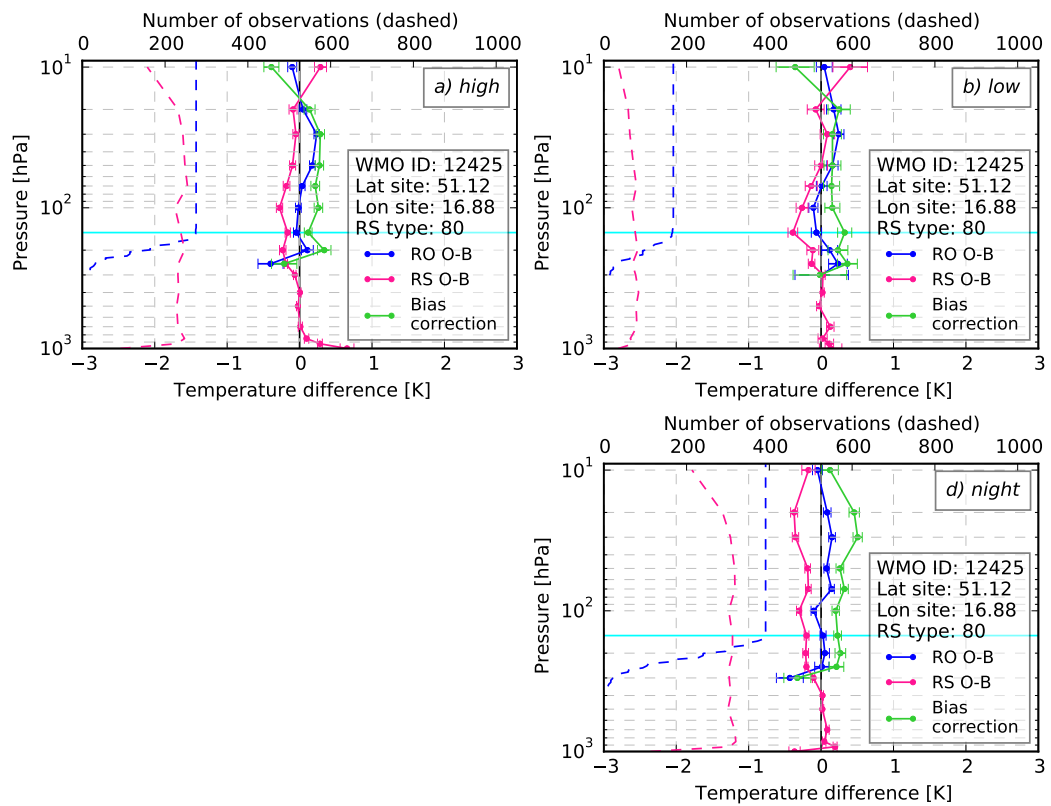
**Figure 1.68:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.69 WMO ID 12374



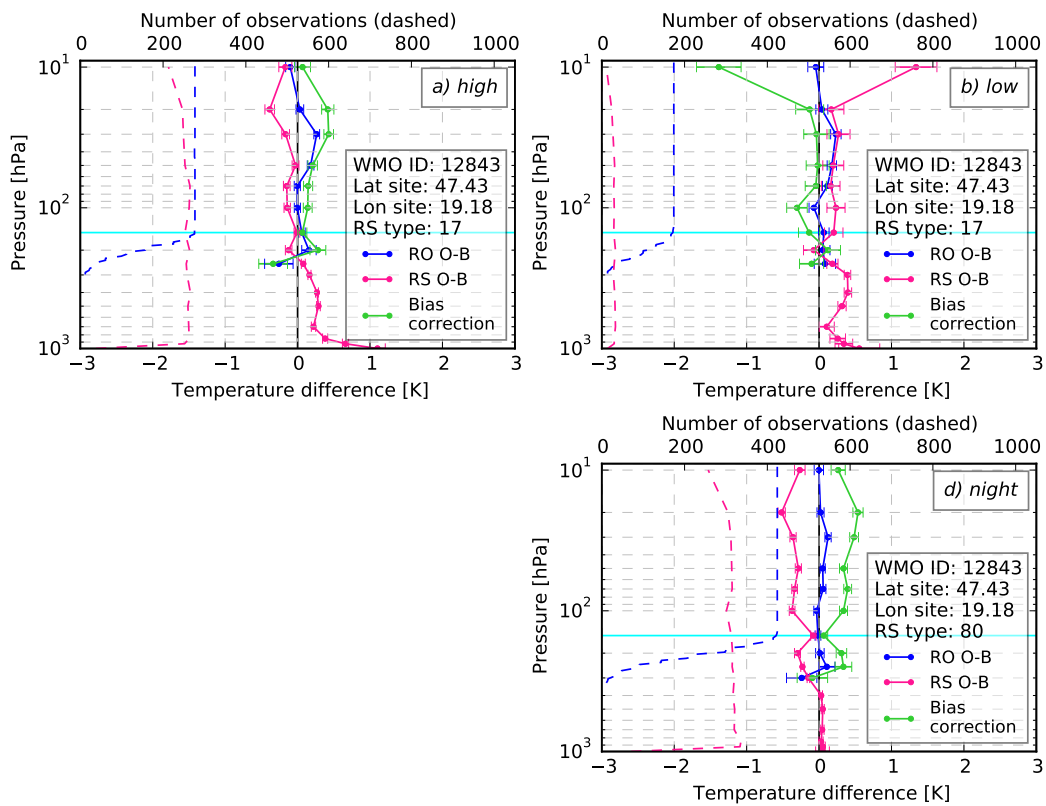
**Figure 1.69:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.70 WMO ID 12425



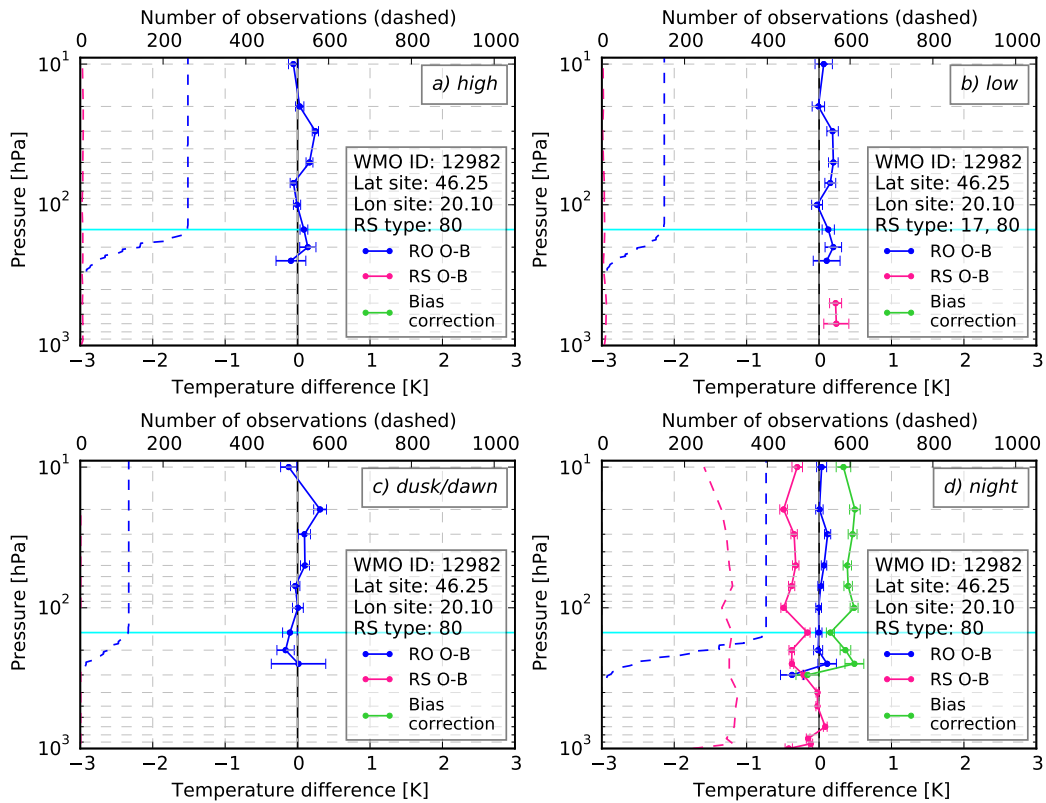
**Figure 1.70:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.71 WMO ID 12843



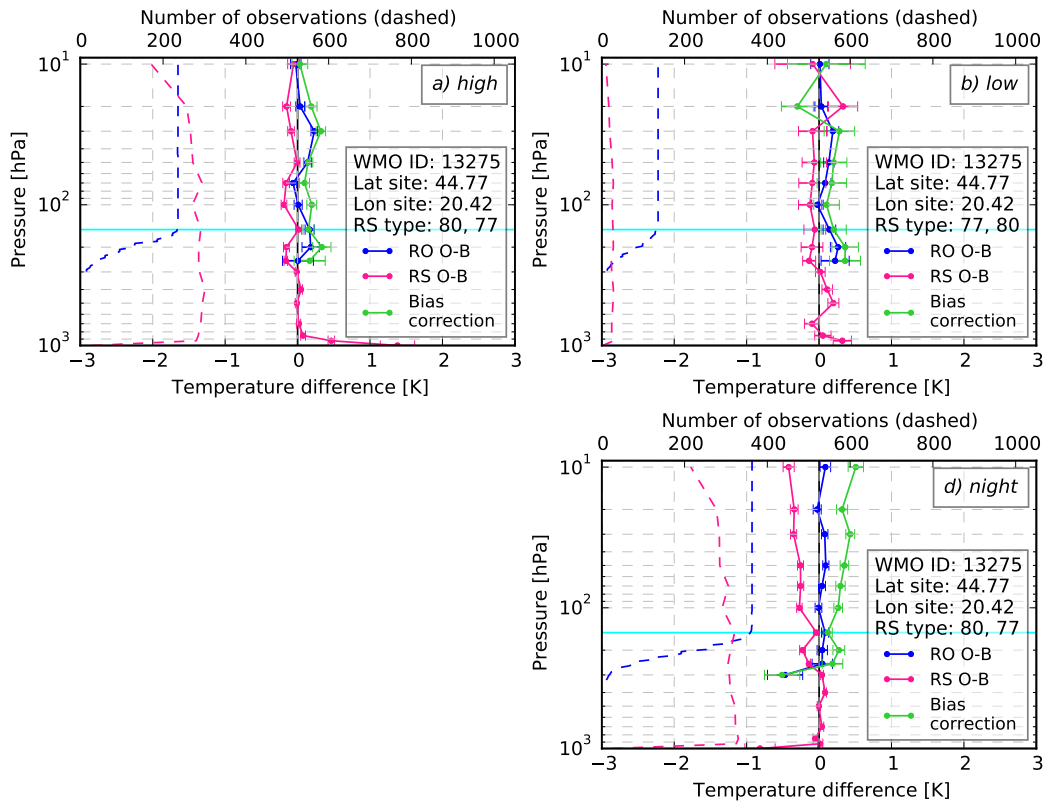
**Figure 1.71:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.72 WMO ID 12982



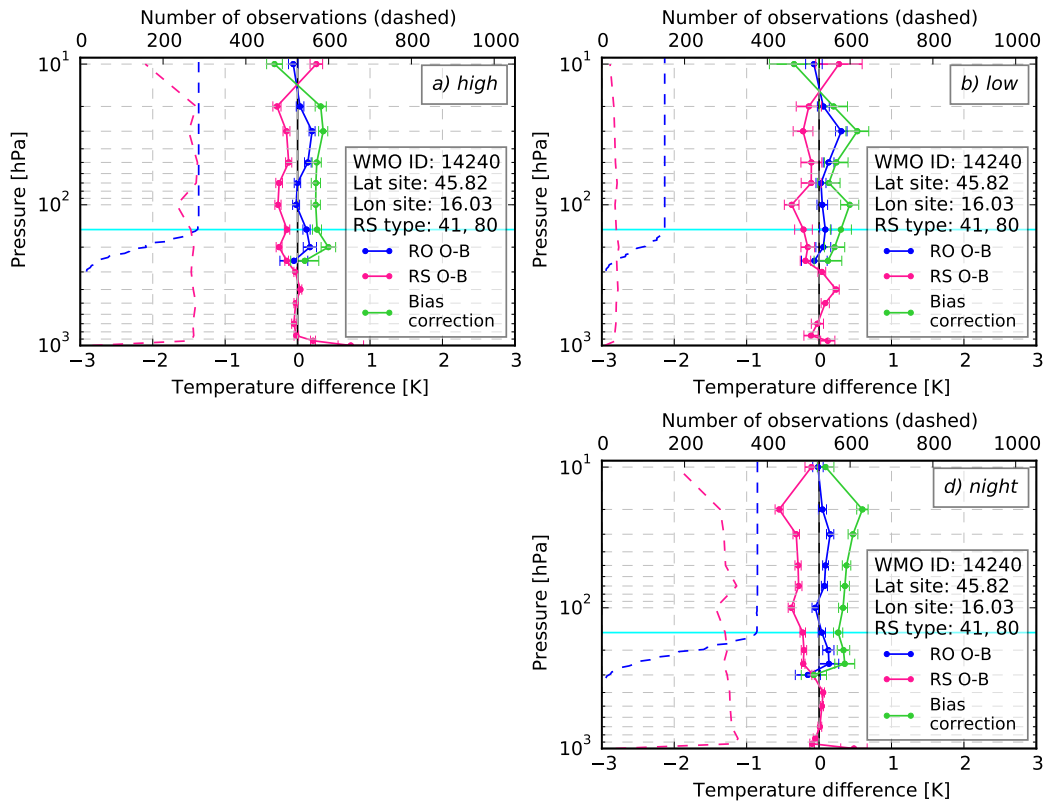
**Figure 1.72:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.73 WMO ID 13275



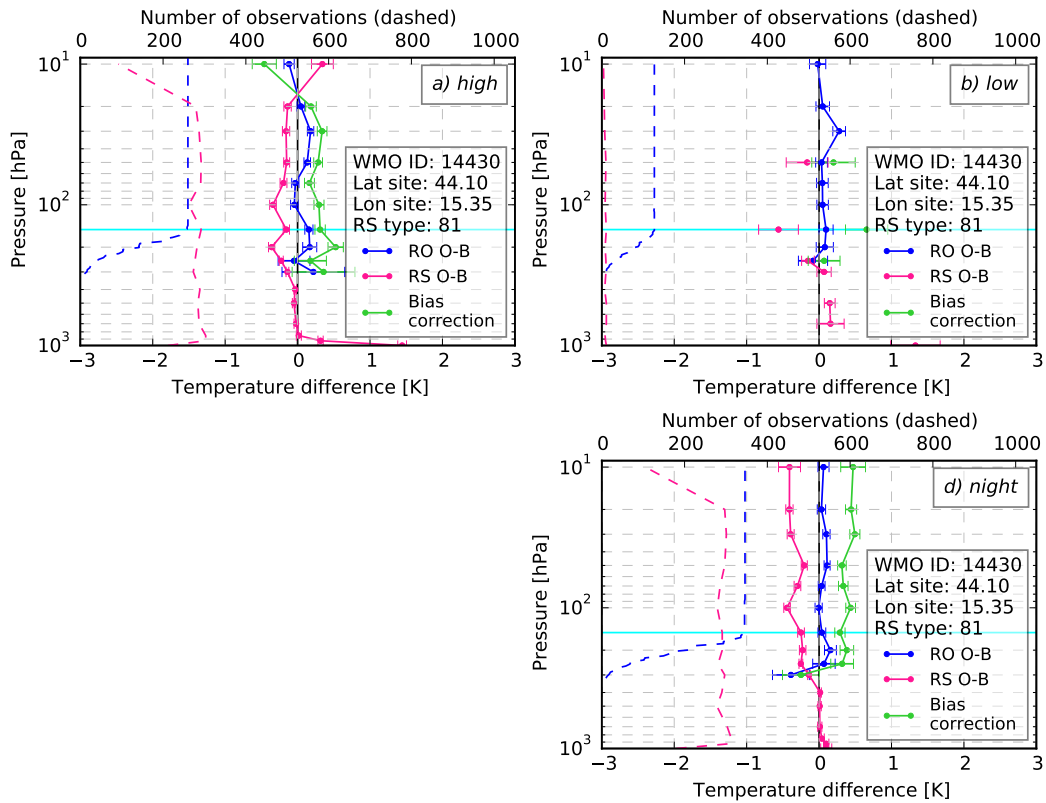
**Figure 1.73:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.74 WMO ID 14240



**Figure 1.74:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

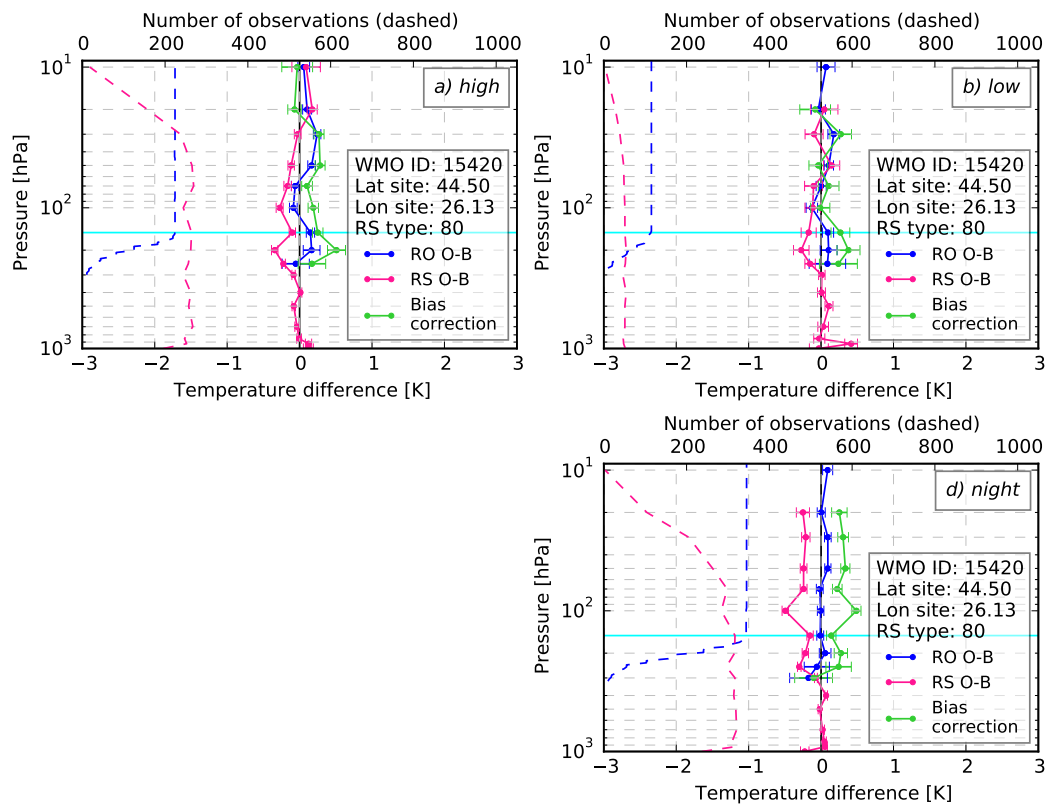
### 1.75 WMO ID 14430



**Figure 1.75:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

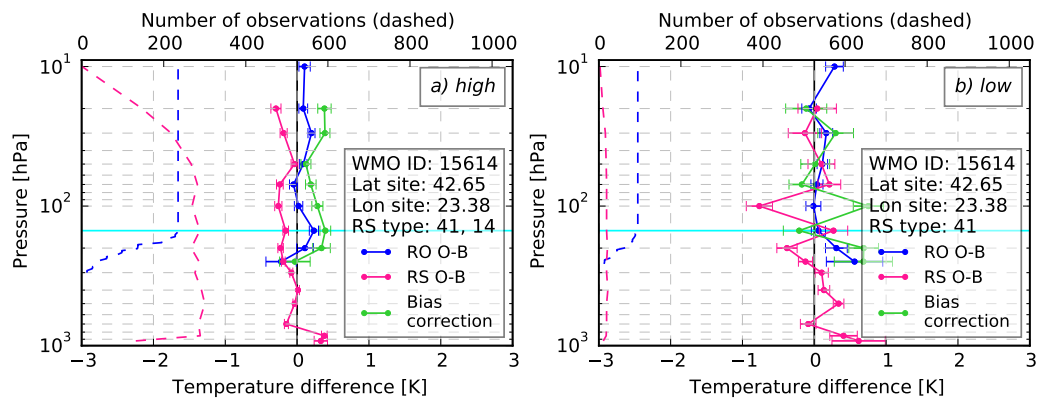


## 1.76 WMO ID 15420



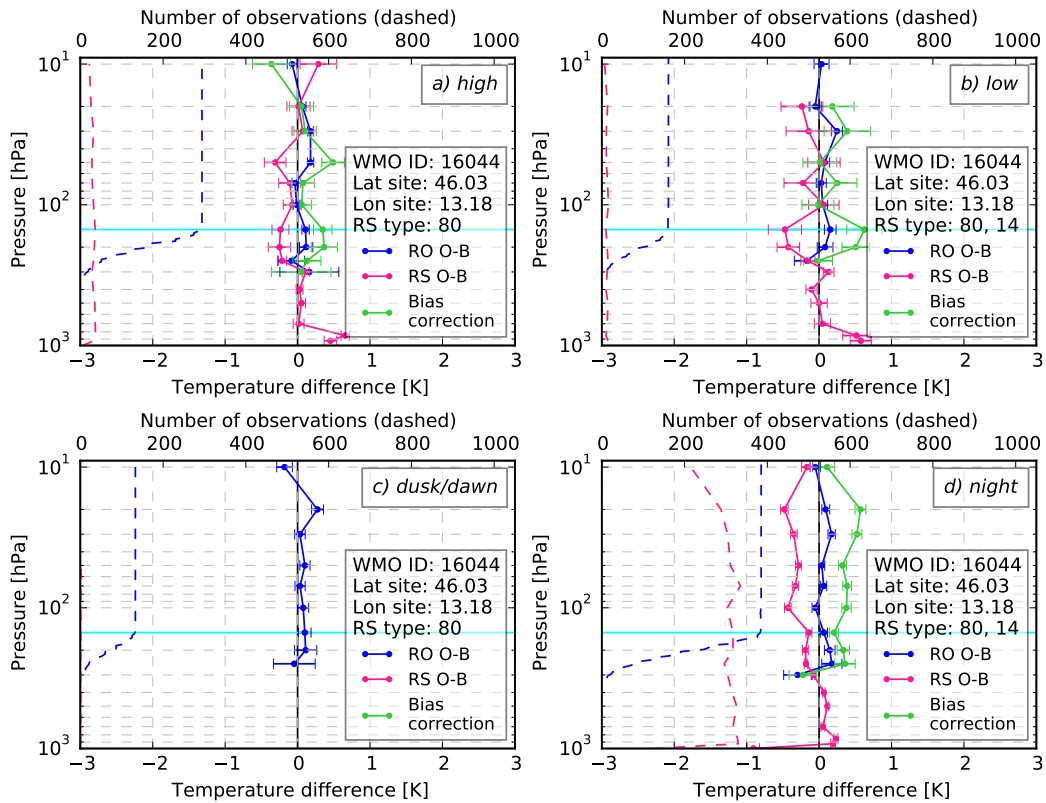
**Figure 1.76:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.77 WMO ID 15614



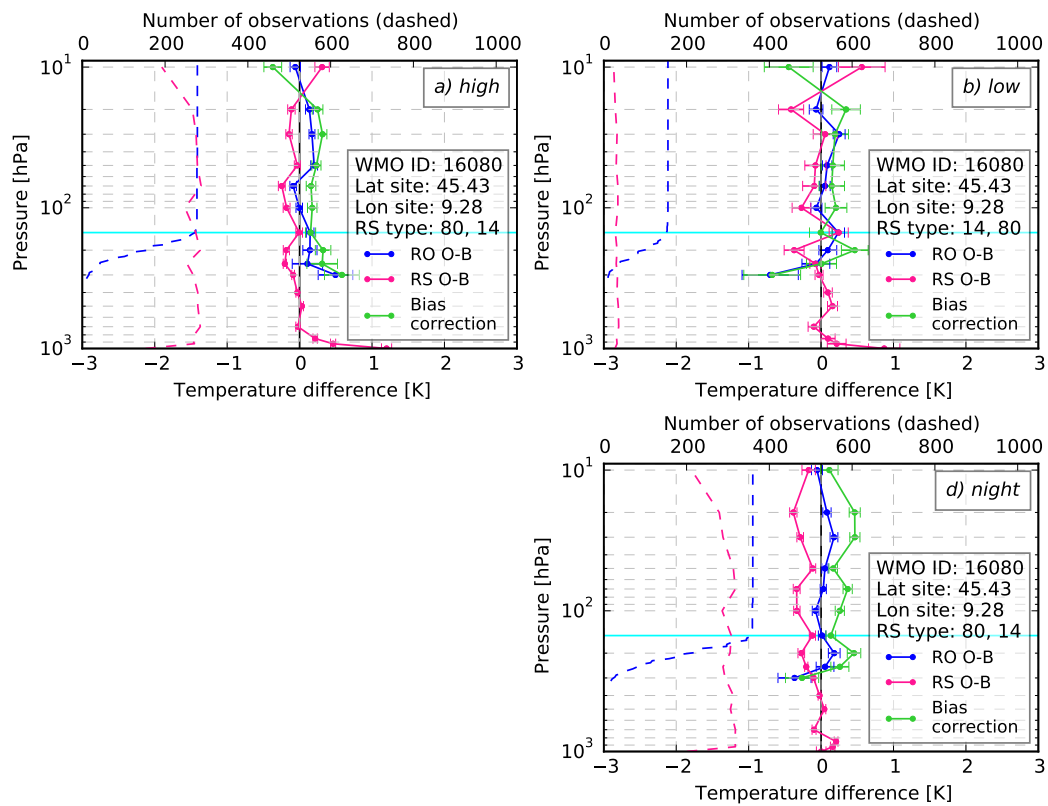
**Figure 1.77:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.78 WMO ID 16044



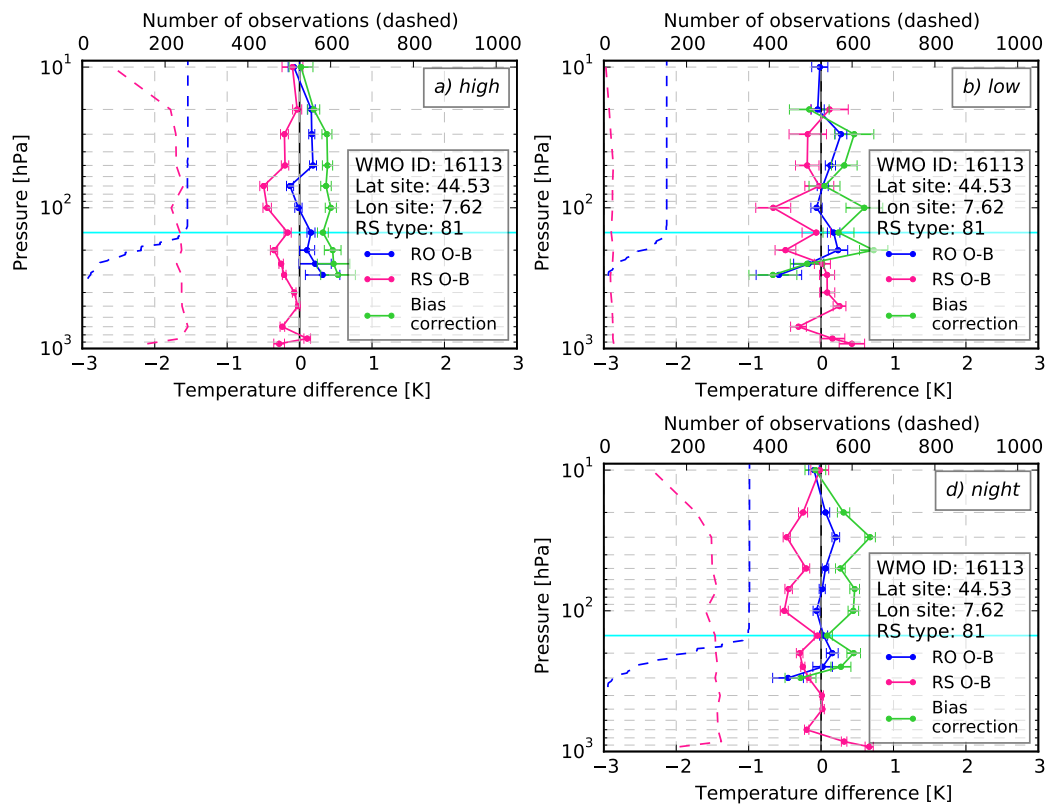
**Figure 1.78:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.79 WMO ID 16080



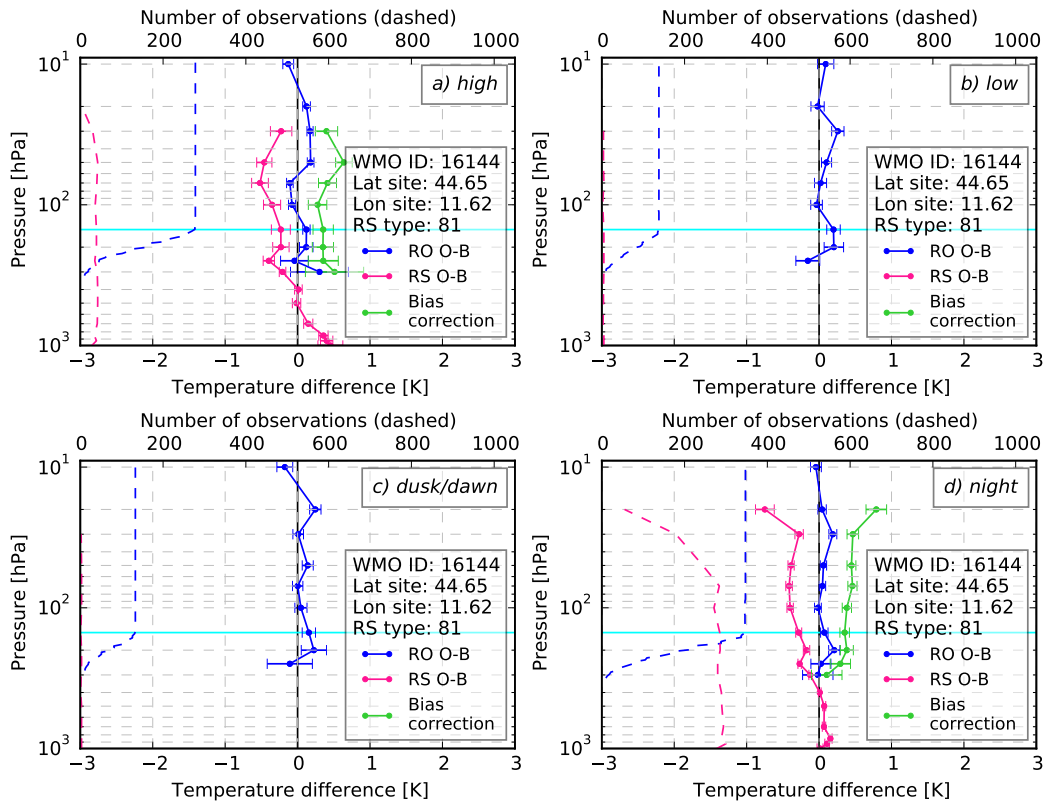
**Figure 1.79:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.80 WMO ID 16113



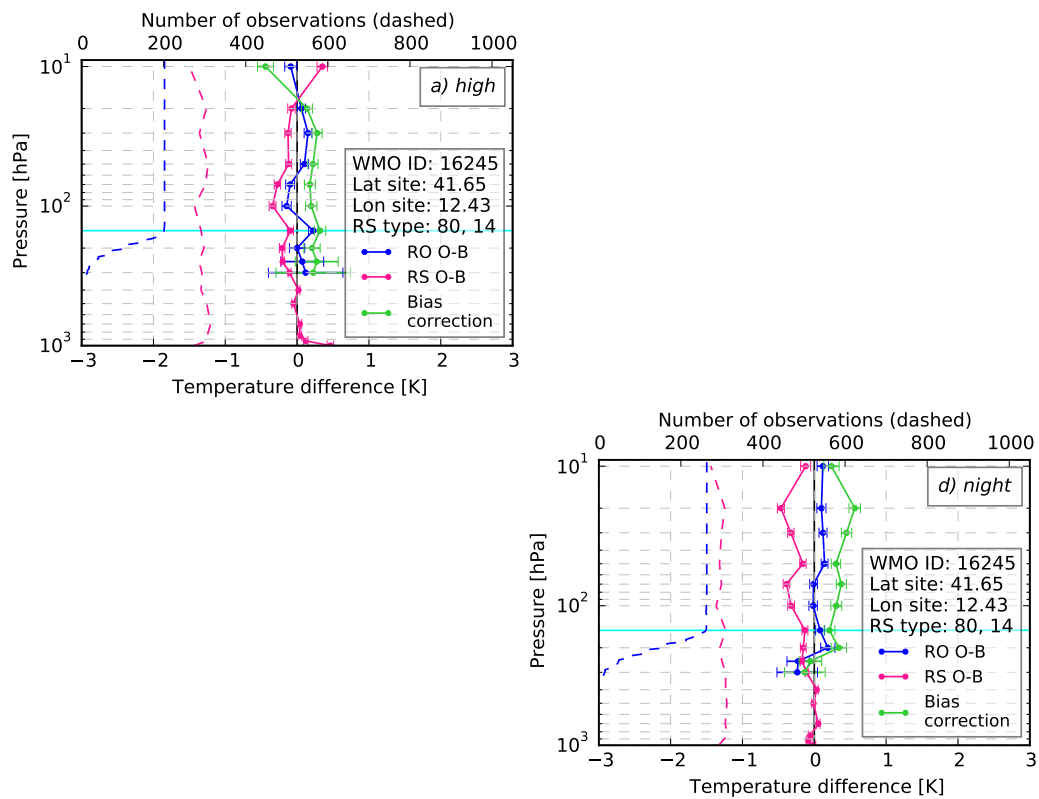
**Figure 1.80:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.81 WMO ID 16144



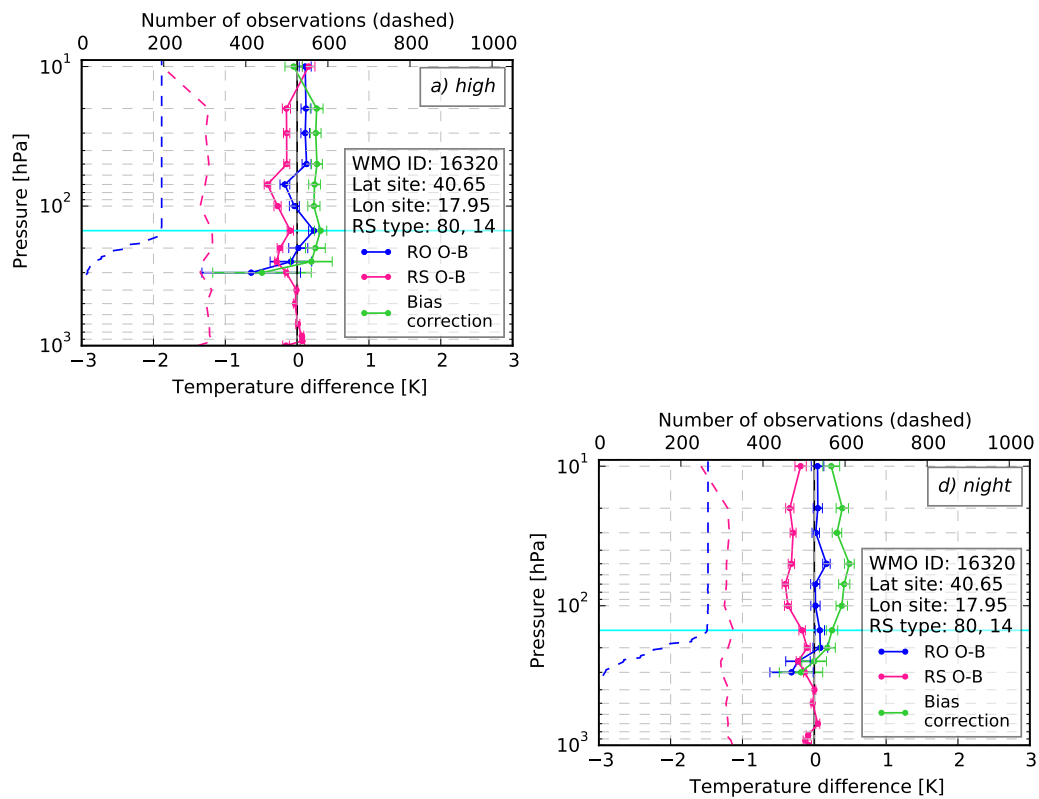
**Figure 1.81:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.82 WMO ID 16245



**Figure 1.82:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

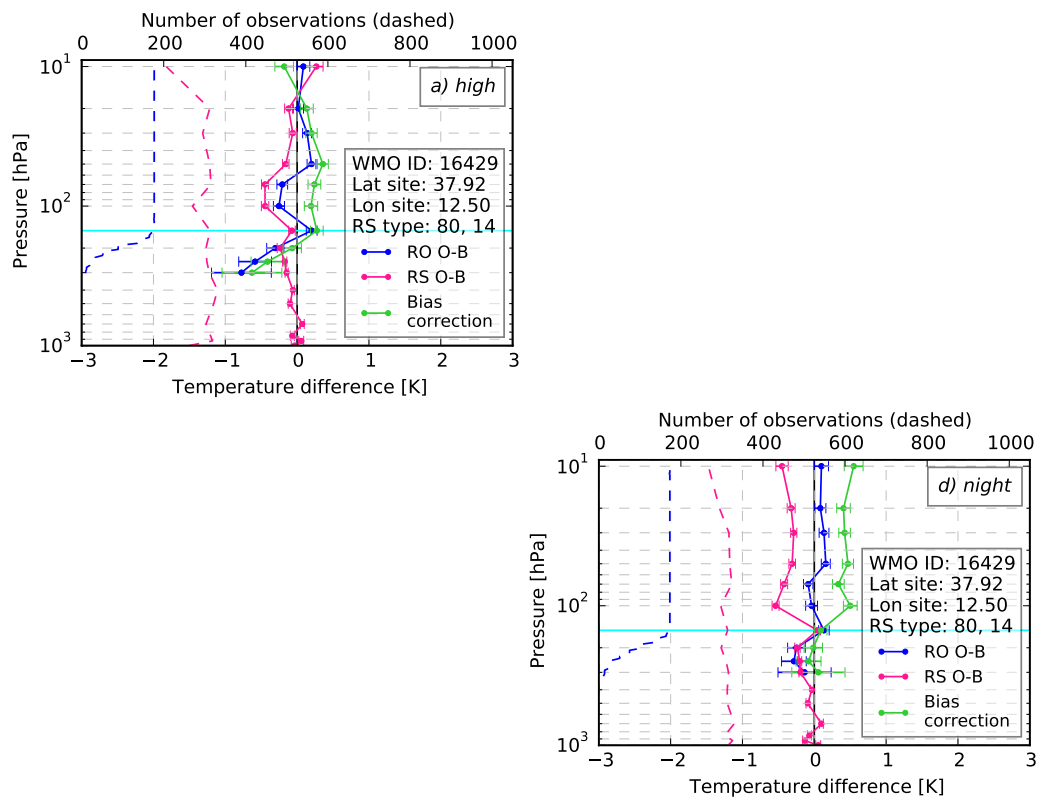
### 1.83 WMO ID 16320



**Figure 1.83:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

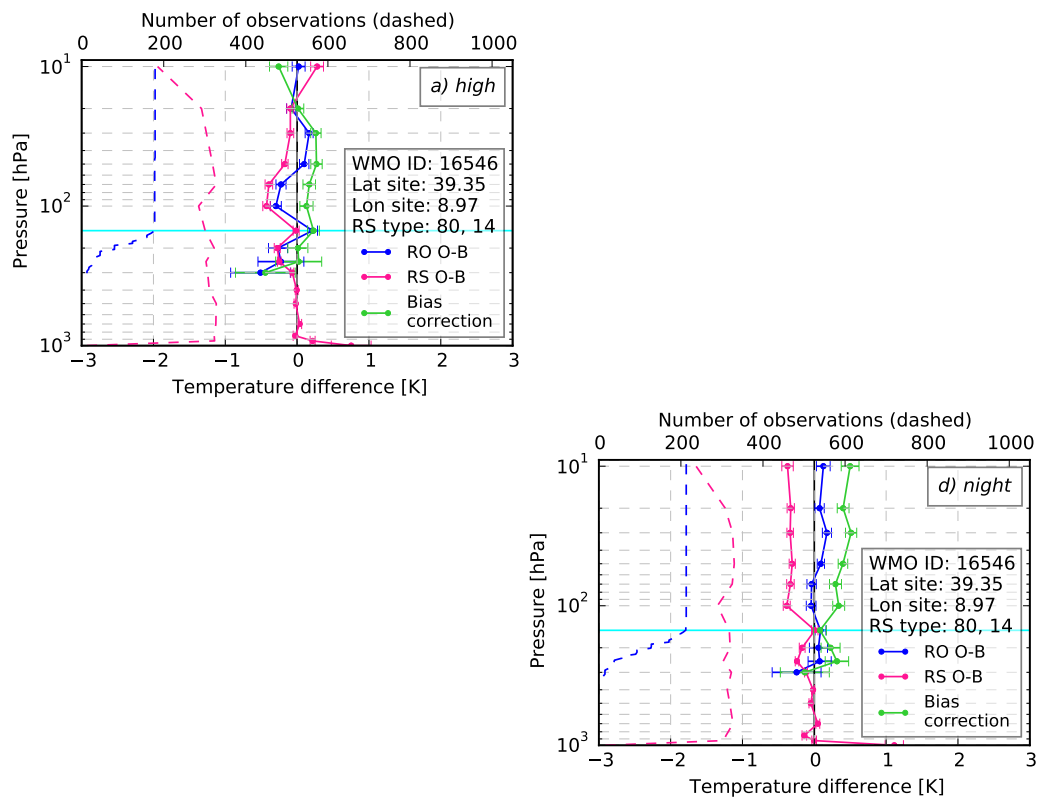


## 1.84 WMO ID 16429



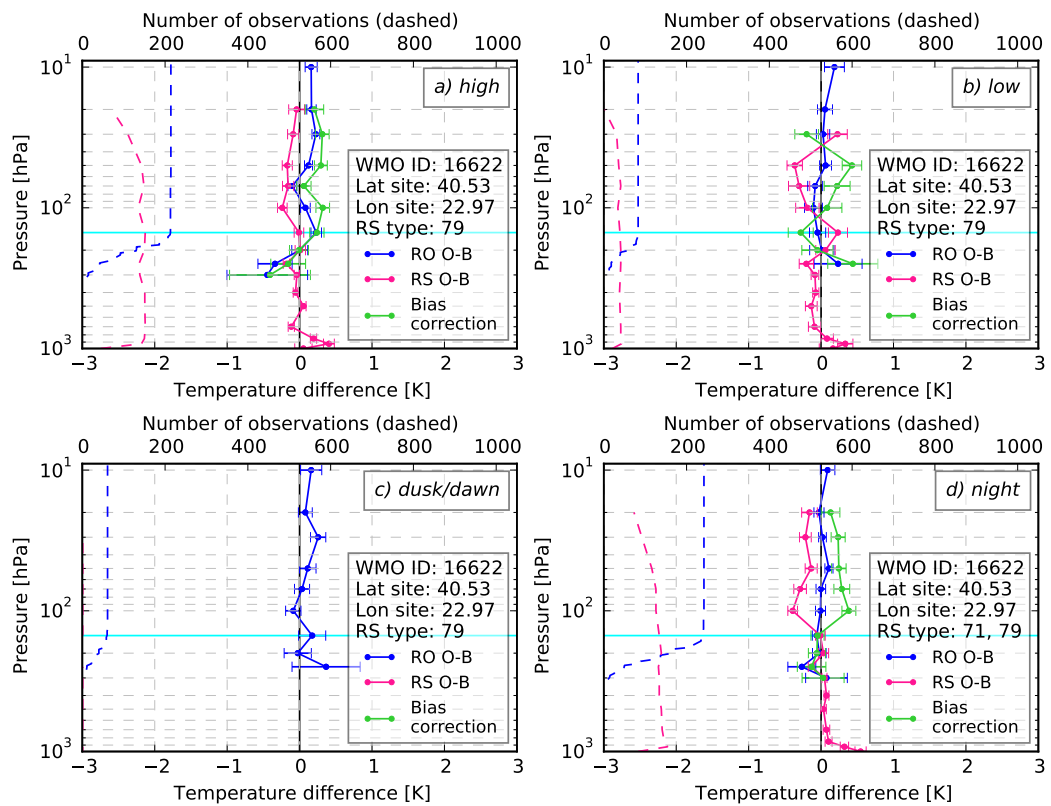
**Figure 1.84:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.85 WMO ID 16546



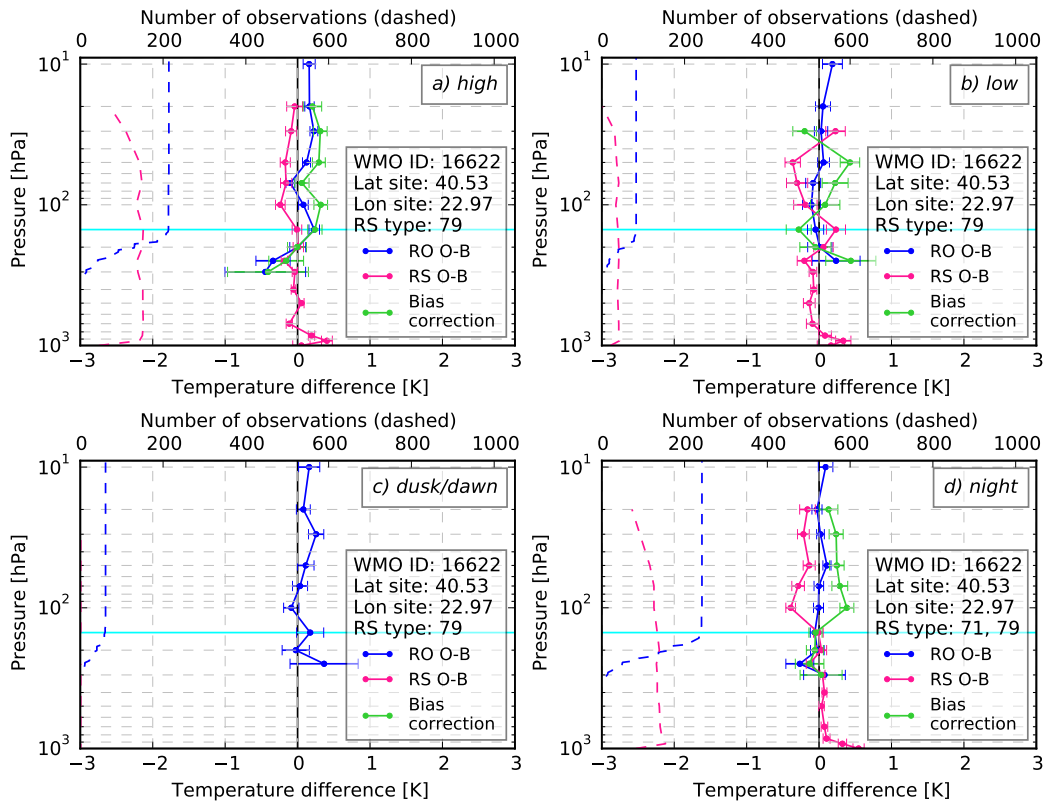
**Figure 1.85:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.86 WMO ID 16622



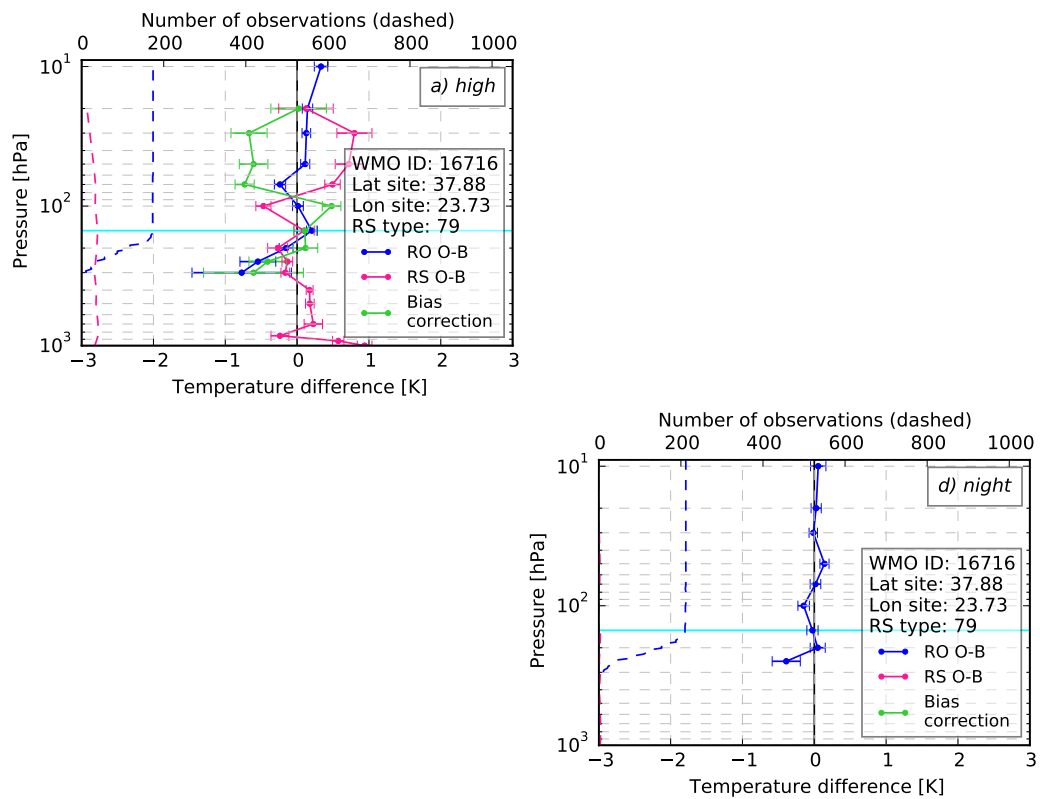
**Figure 1.86:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.87 WMO ID 16622



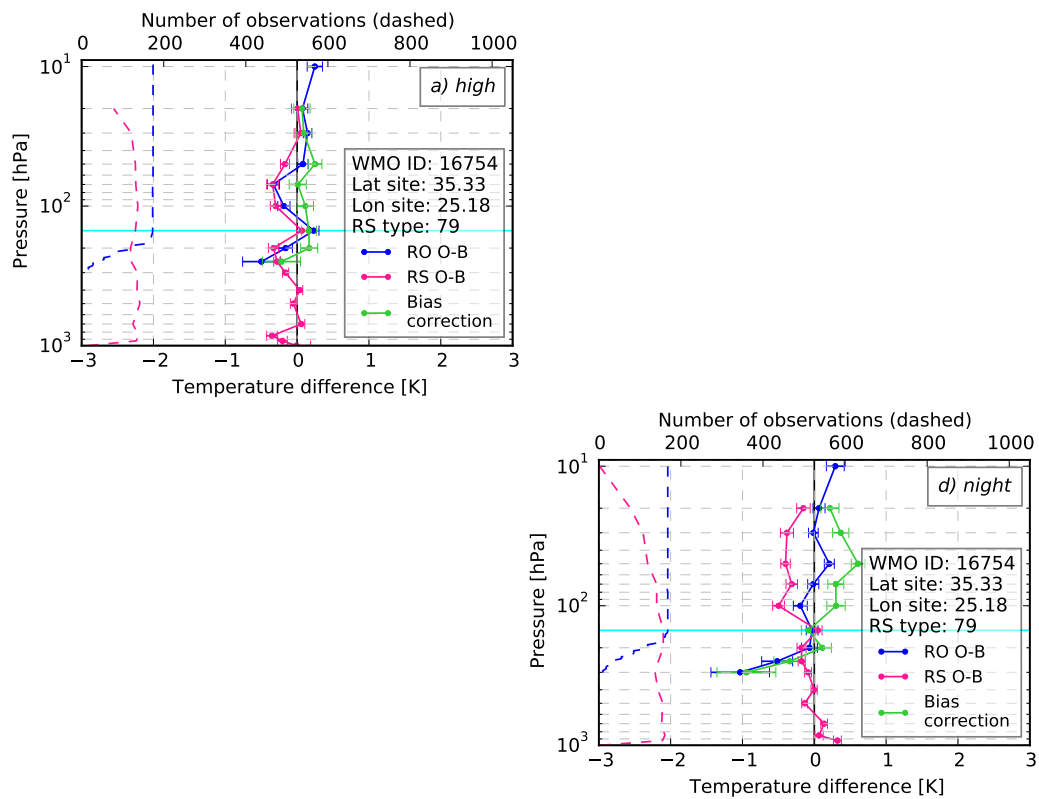
**Figure 1.87:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.88 WMO ID 16716



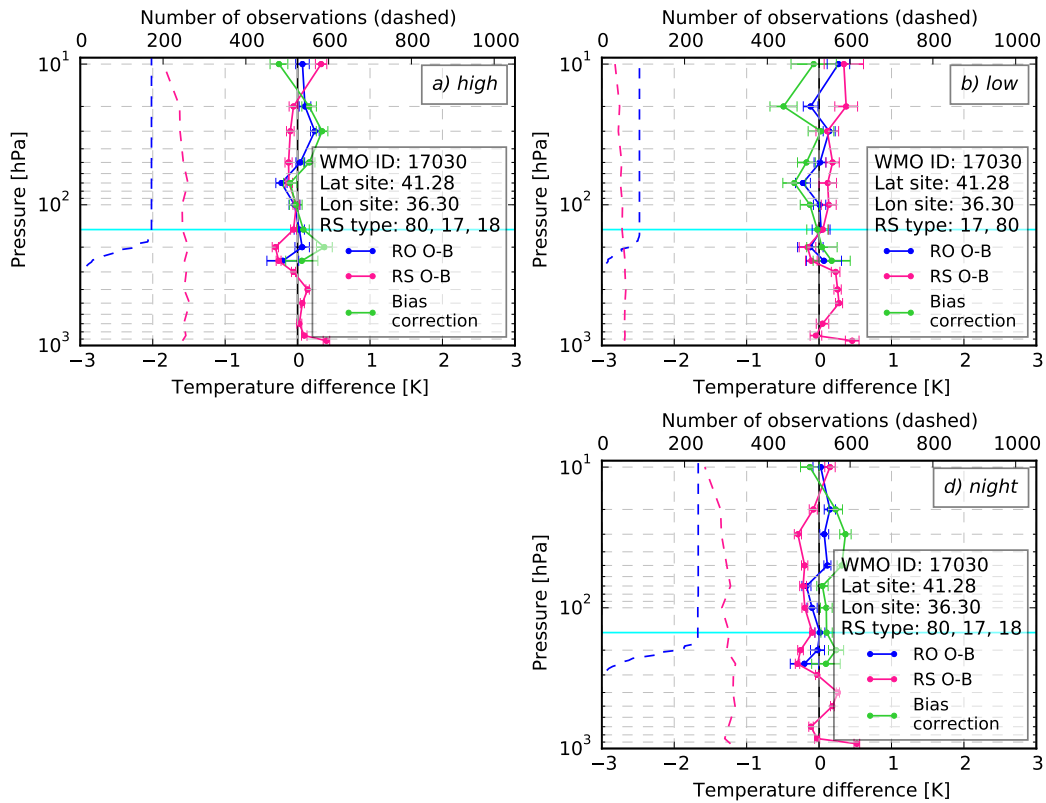
**Figure 1.88:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.89 WMO ID 16754



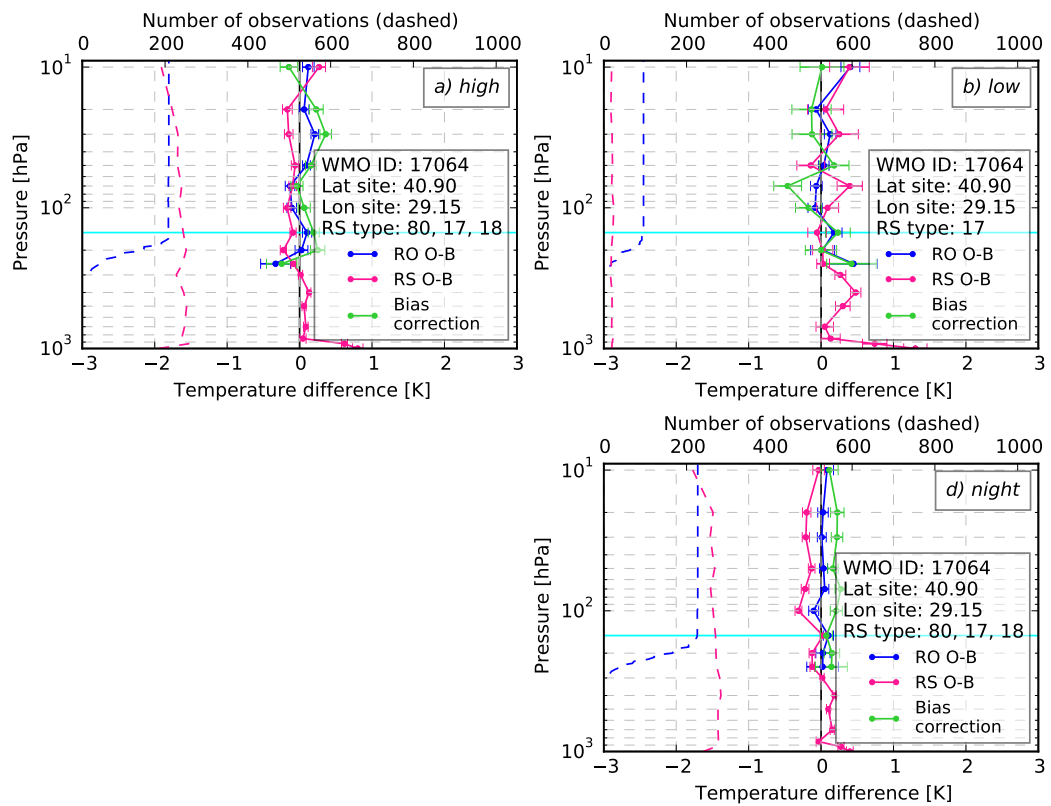
**Figure 1.89:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.90 WMO ID 17030



**Figure 1.90:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

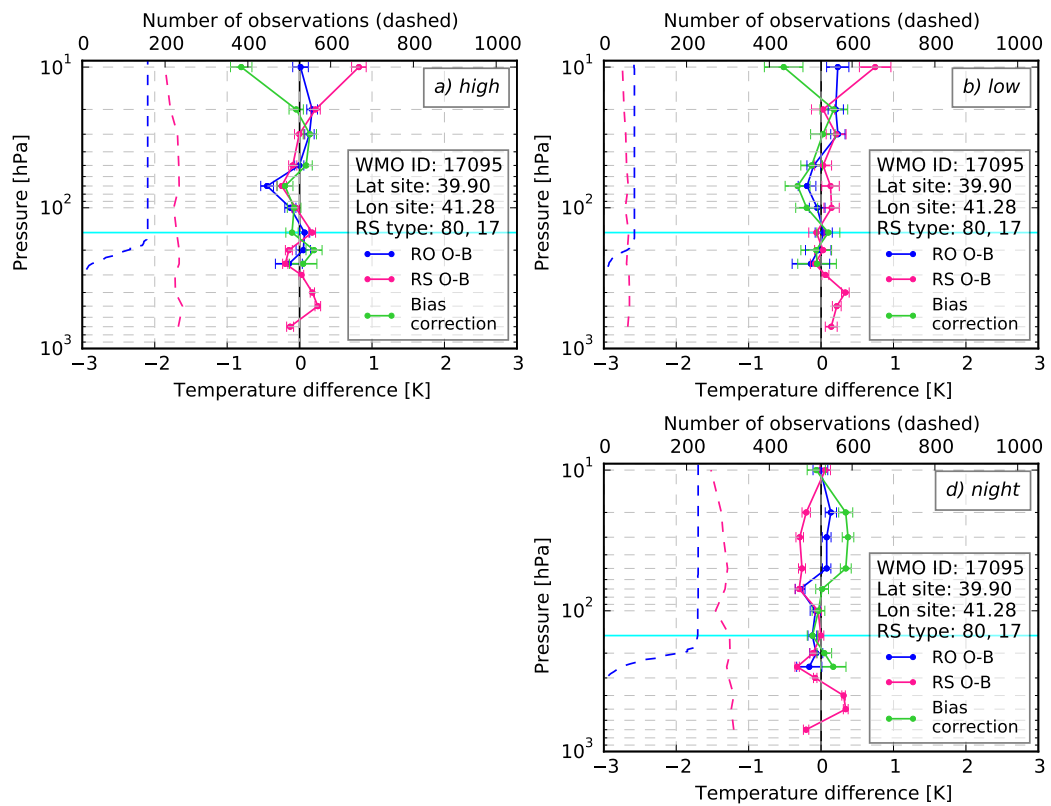
## 1.91 WMO ID 17064



**Figure 1.91:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

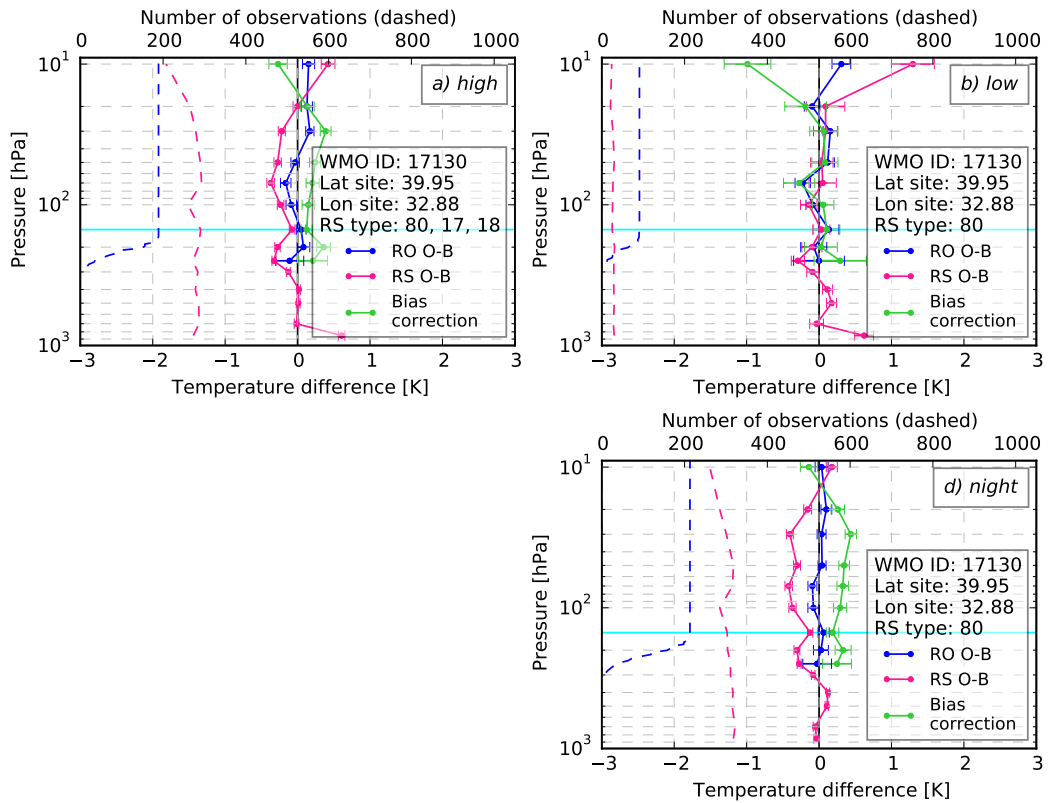


## 1.92 WMO ID 17095



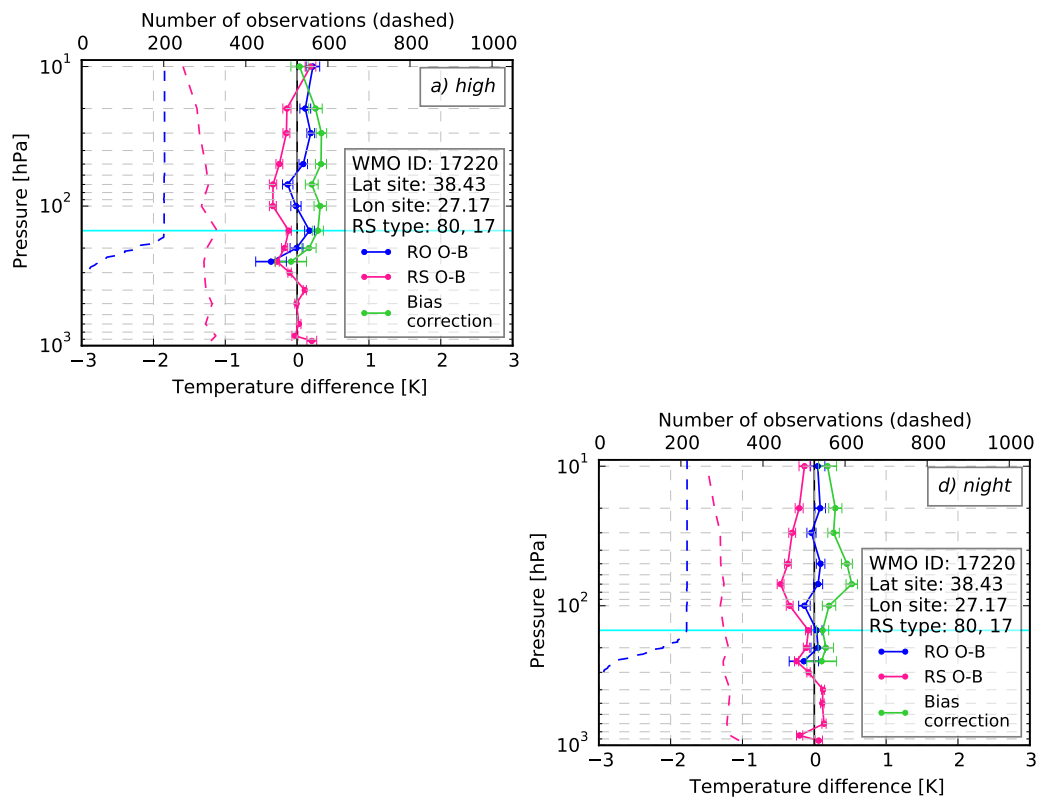
**Figure 1.92:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.93 WMO ID 17130



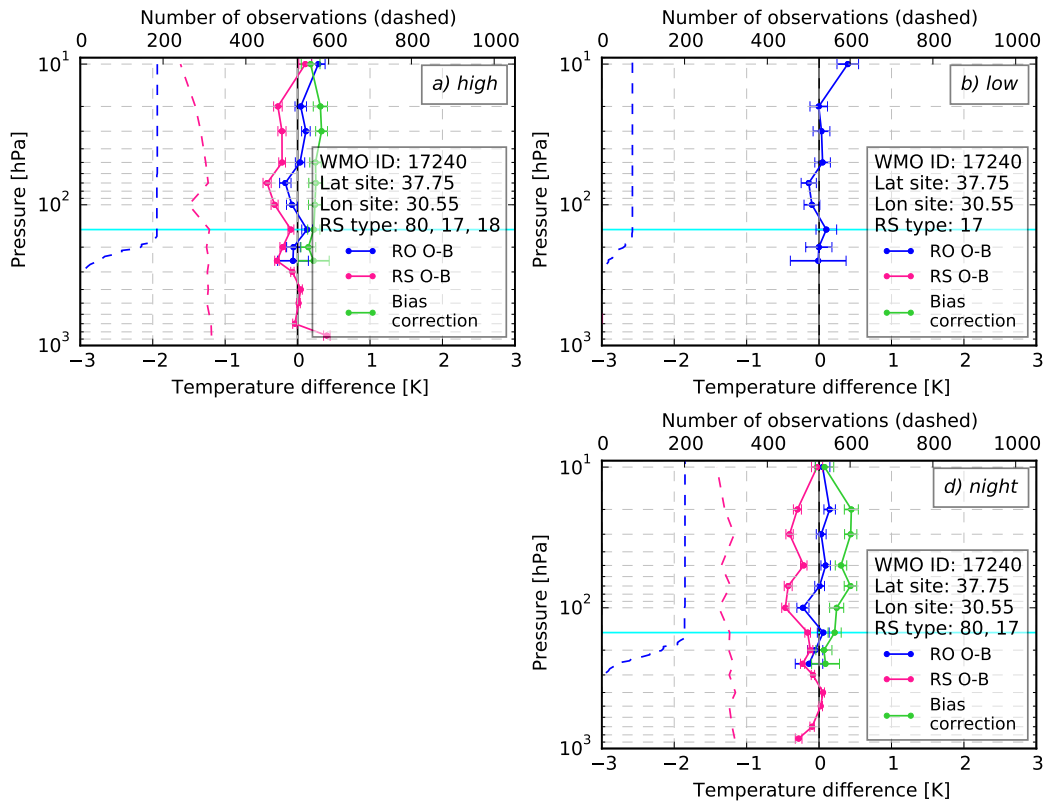
**Figure 1.93:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.94 WMO ID 17220



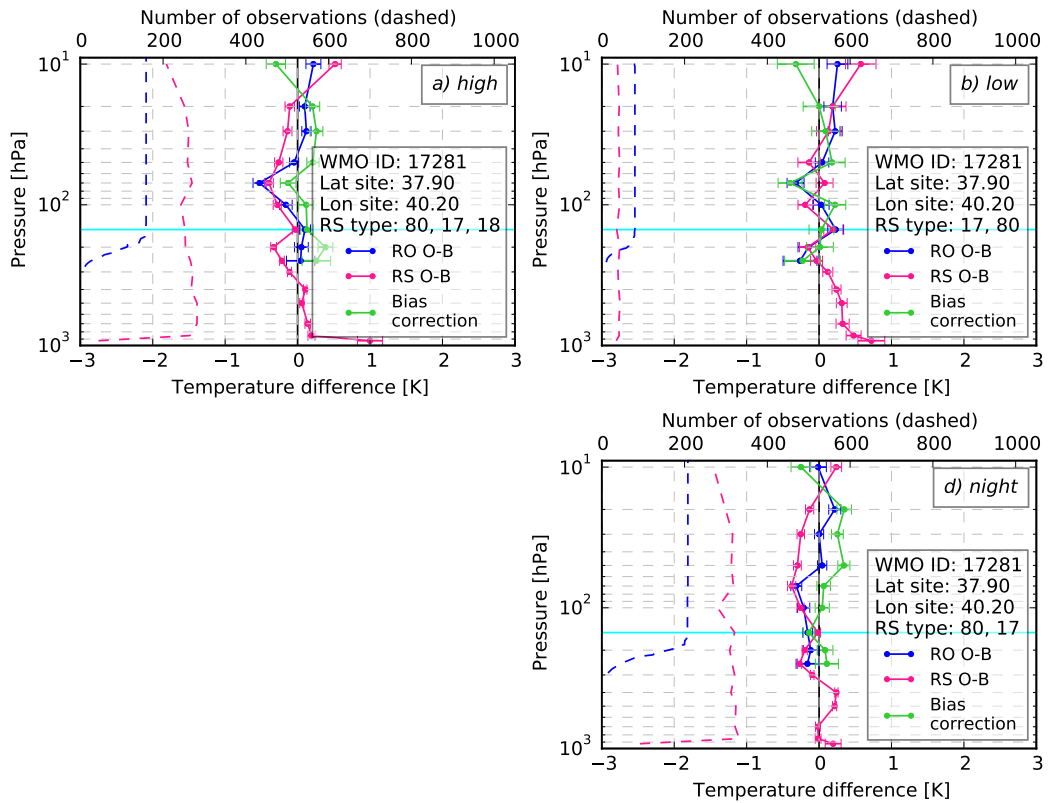
**Figure 1.94:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.95 WMO ID 17240



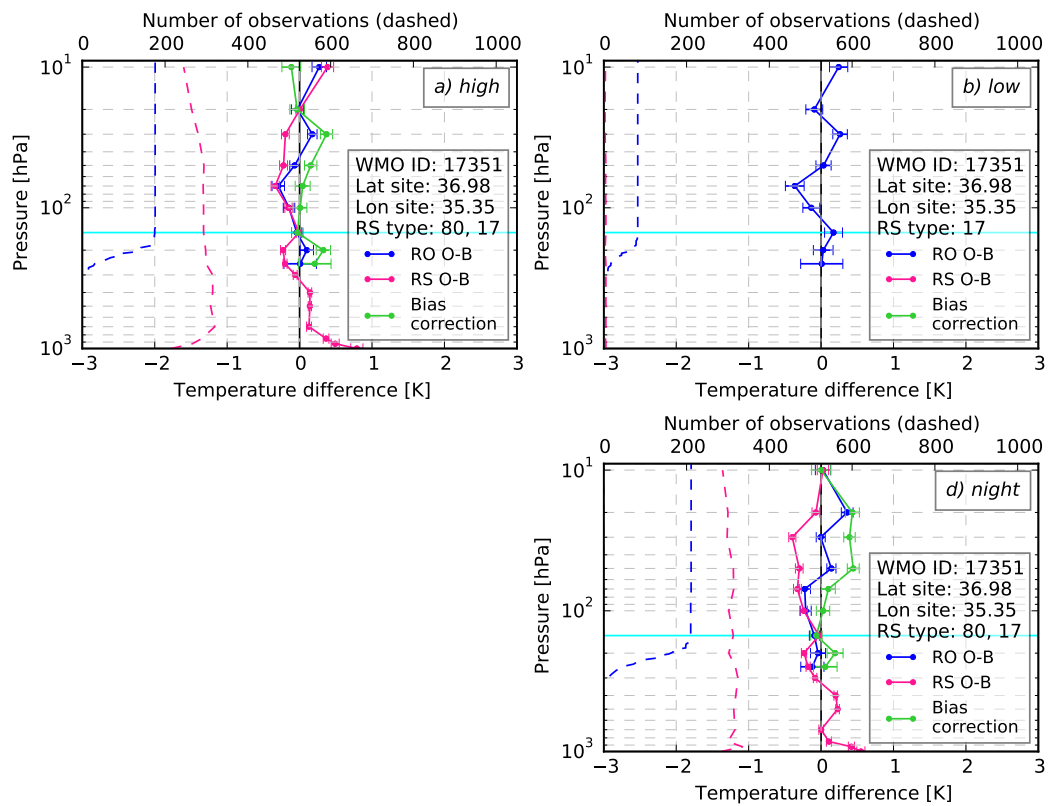
**Figure 1.95:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.96 WMO ID 17281



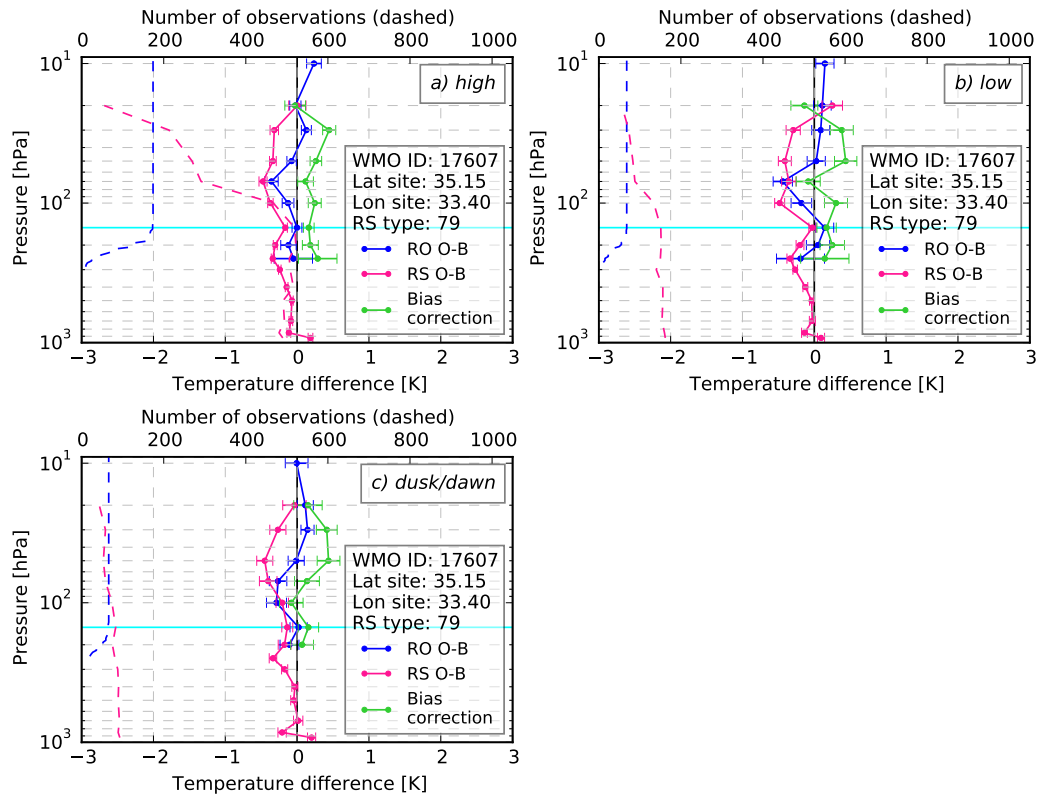
**Figure 1.96:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.97 WMO ID 17351



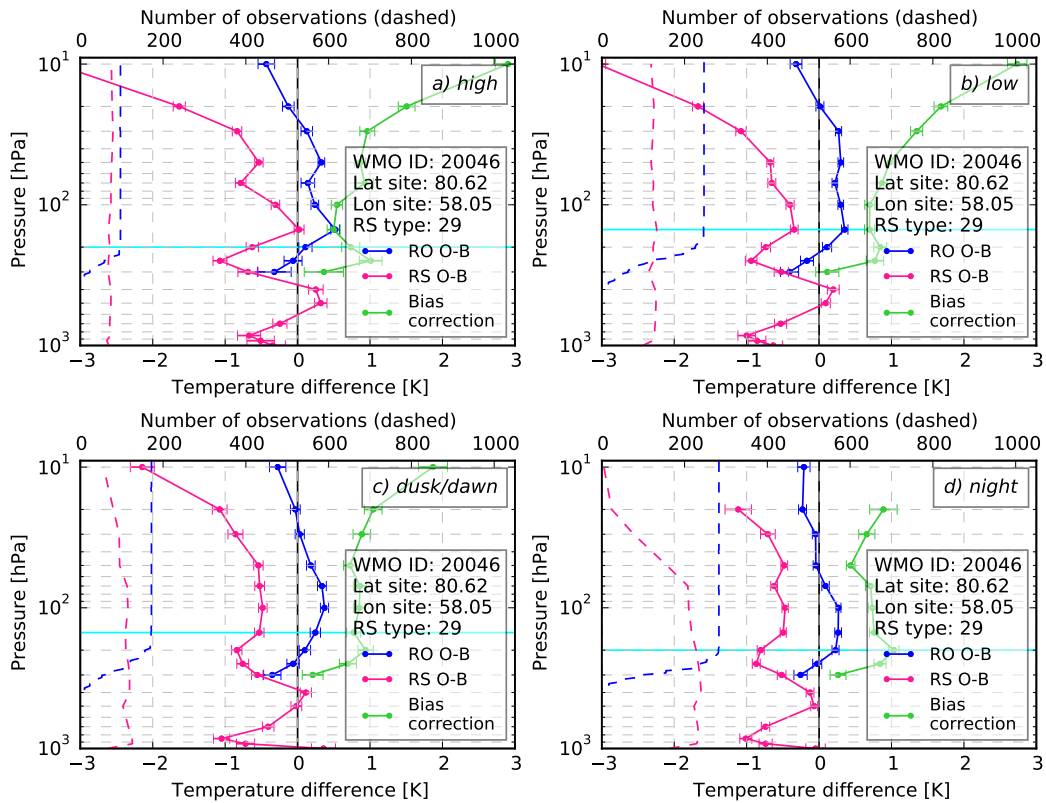
**Figure 1.97:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.98 WMO ID 17607



**Figure 1.98:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

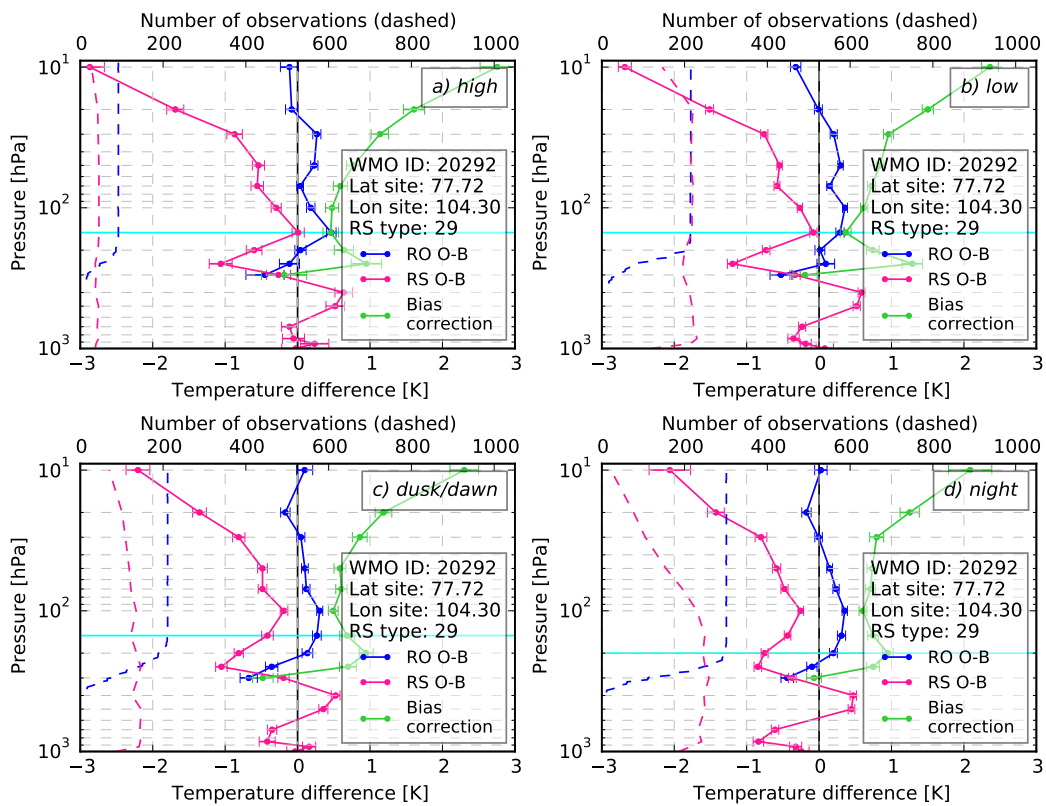
### 1.99 WMO ID 20046



**Figure 1.99:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

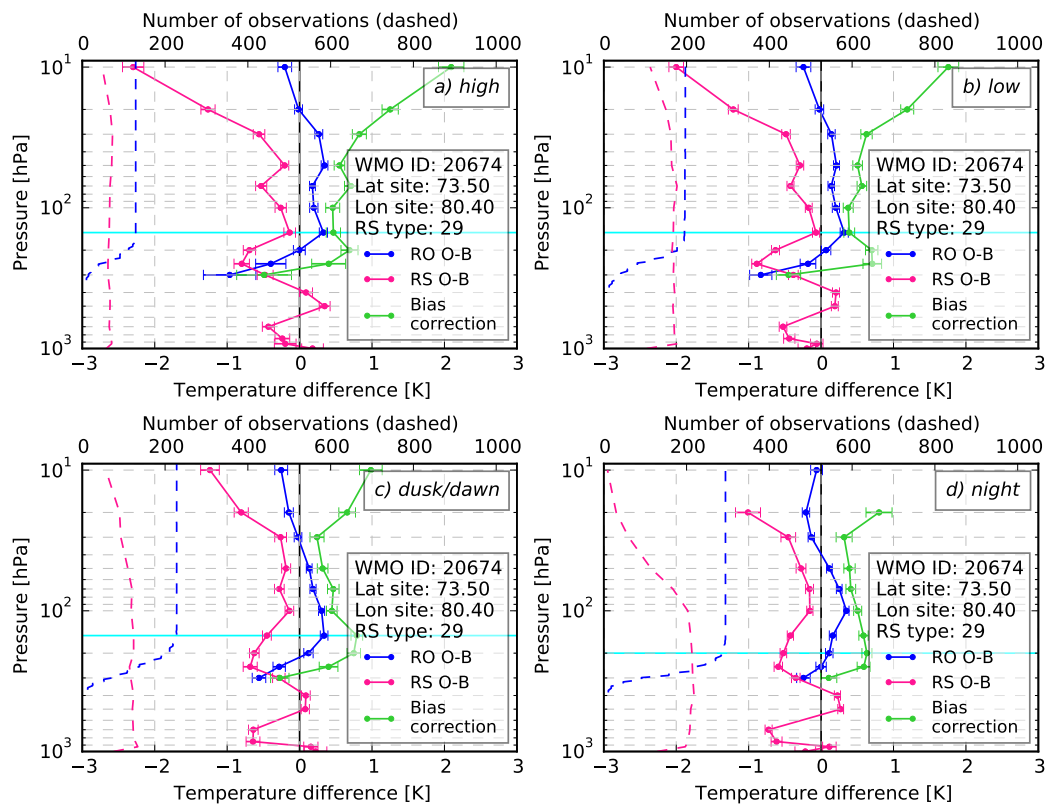


### 1.100 WMO ID 20292



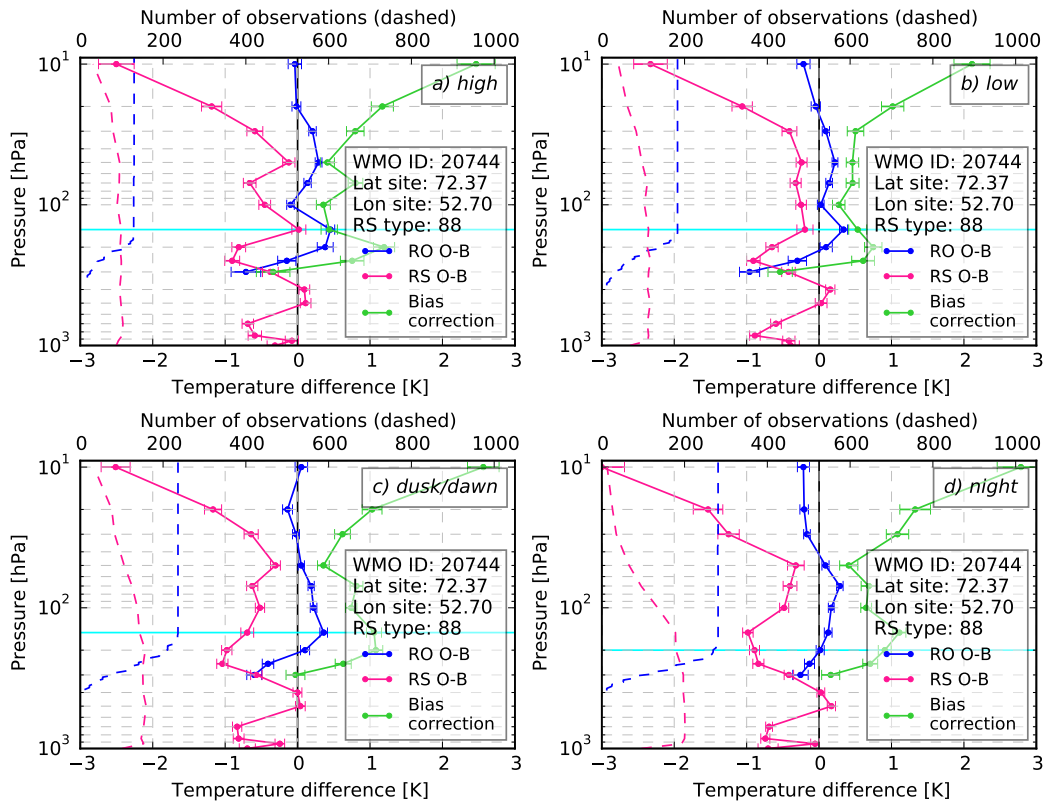
**Figure 1.100:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.101 WMO ID 20674



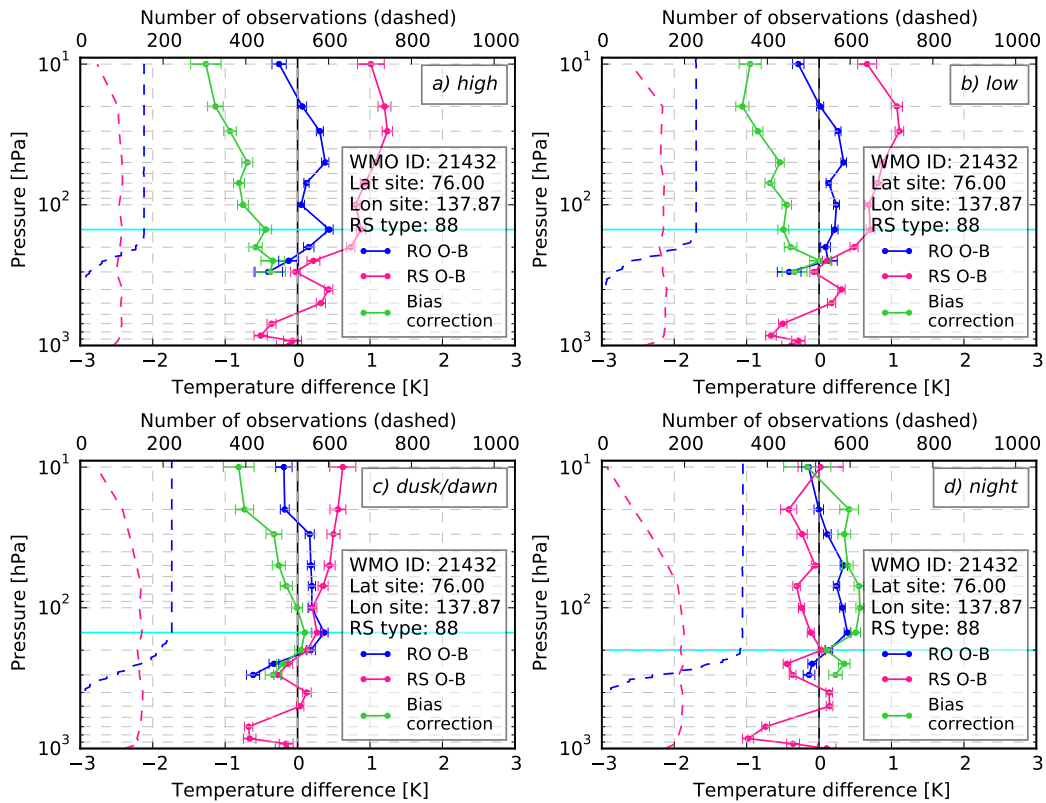
**Figure 1.101:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.102 WMO ID 20744



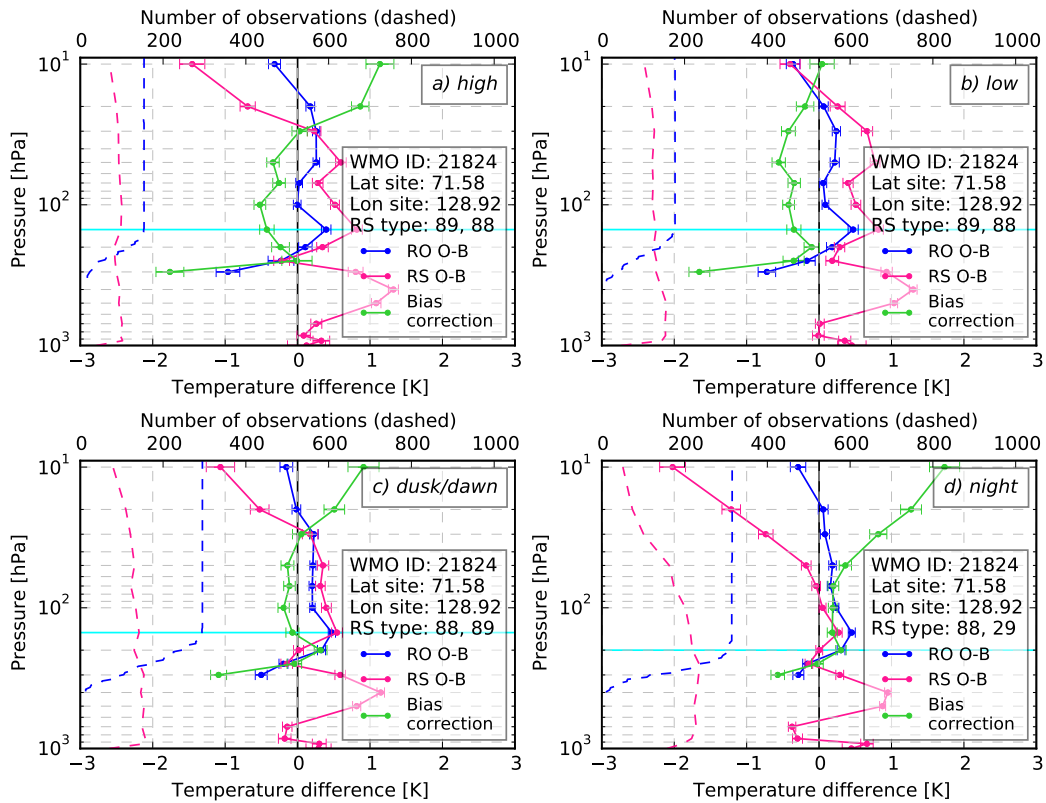
**Figure 1.102:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.103 WMO ID 21432



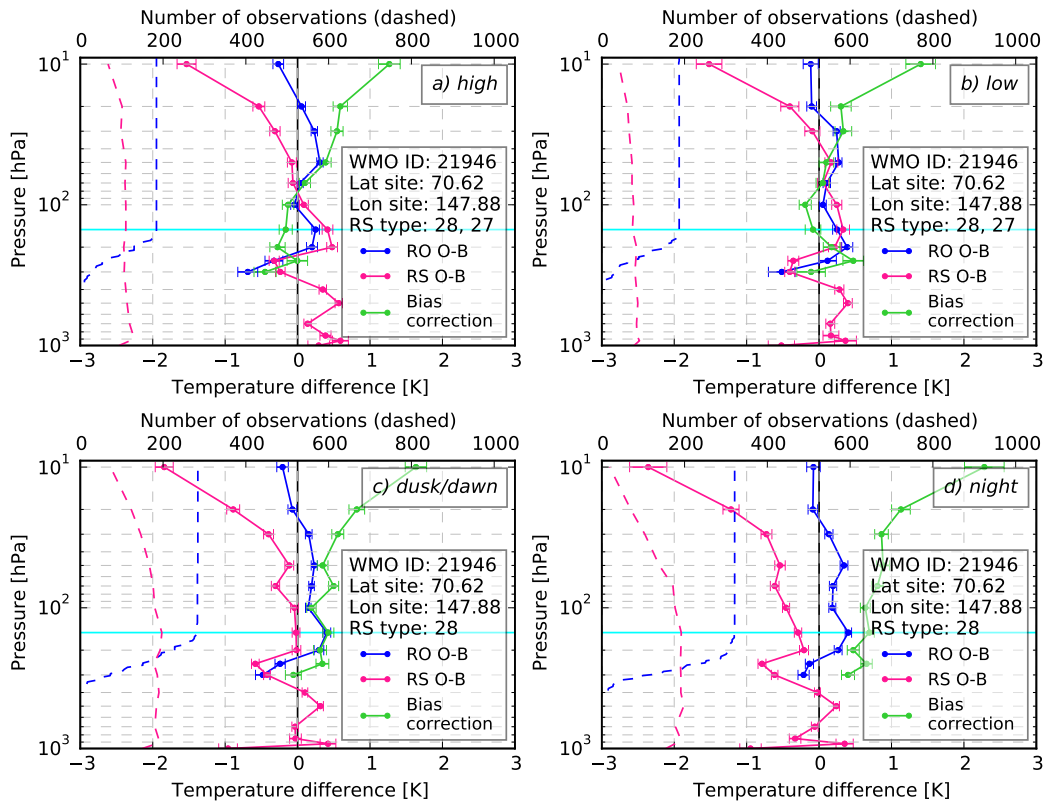
**Figure 1.103:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.104 WMO ID 21824



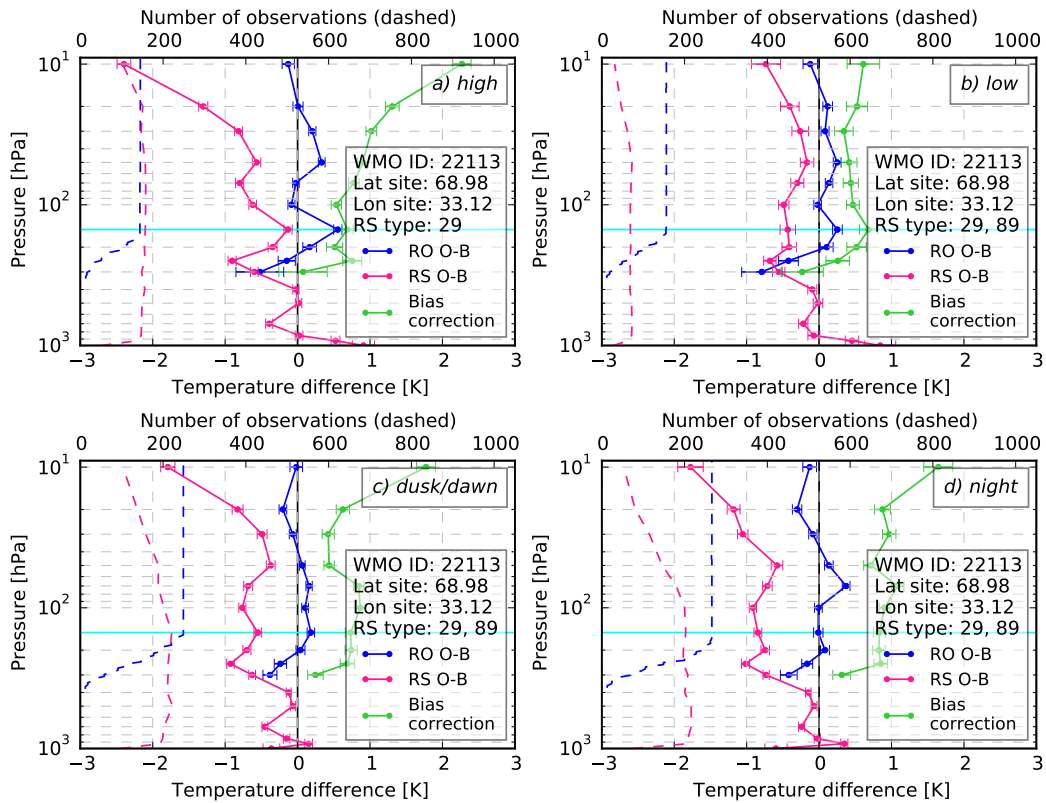
**Figure 1.104:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.105 WMO ID 21946



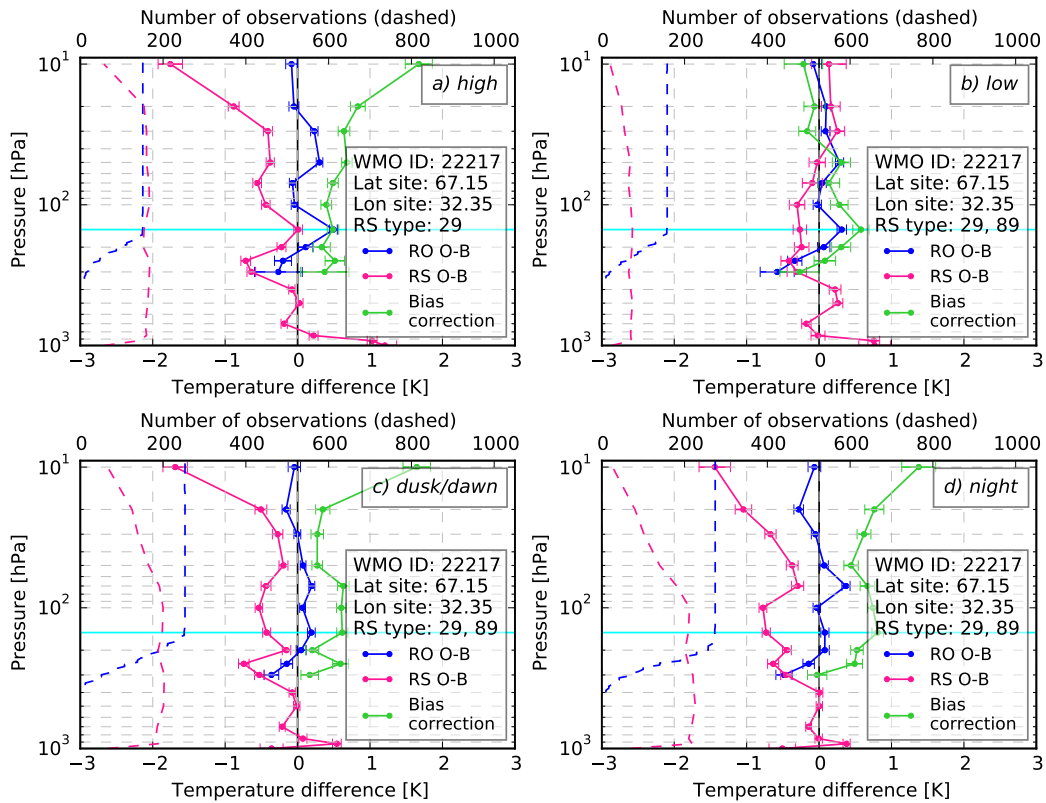
**Figure 1.105:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.106 WMO ID 22113



**Figure 1.106:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

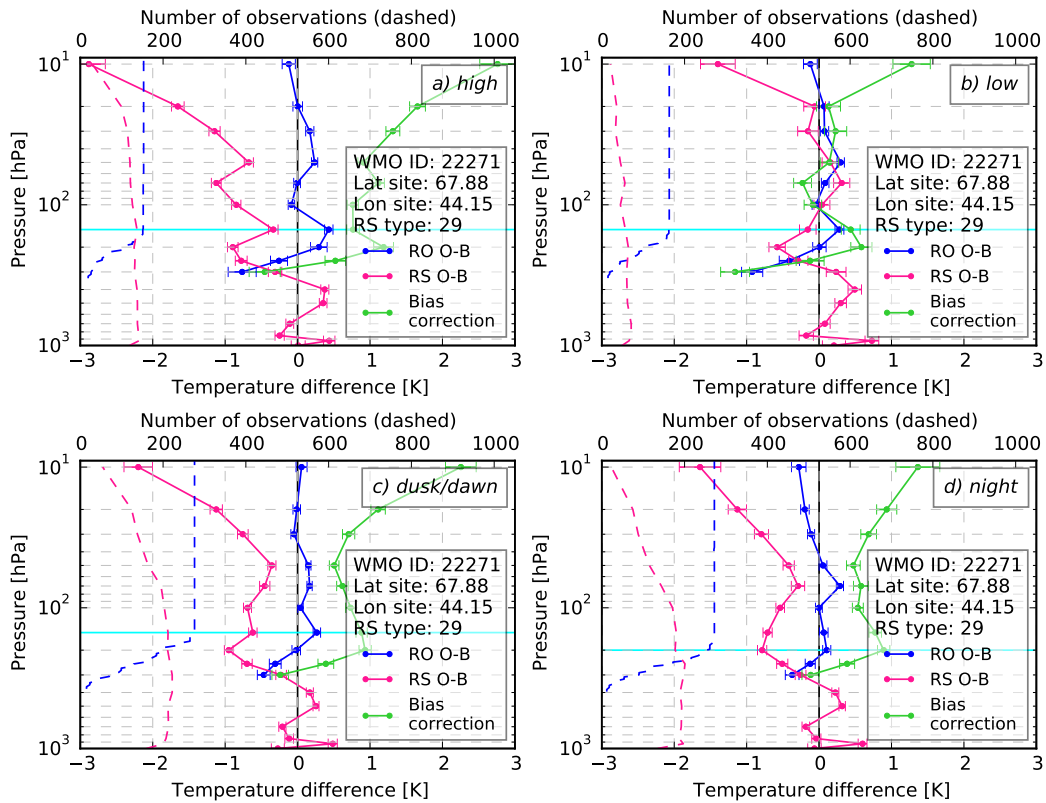
### 1.107 WMO ID 22217



**Figure 1.107:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

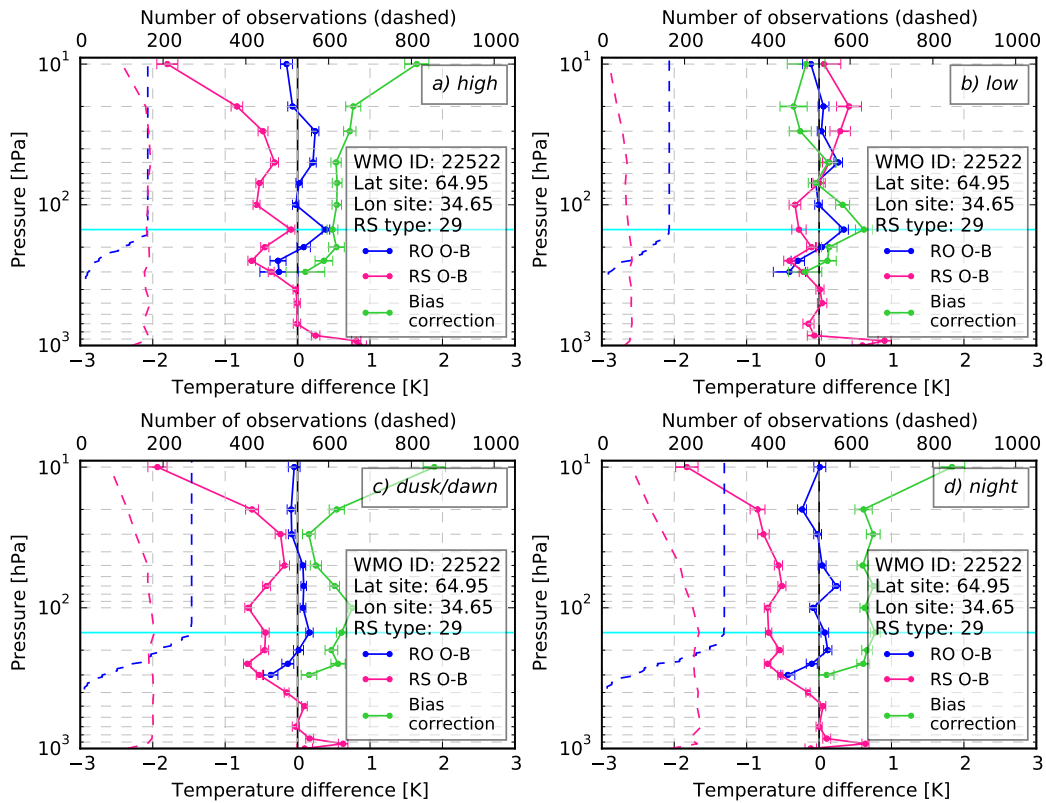


### 1.108 WMO ID 22271



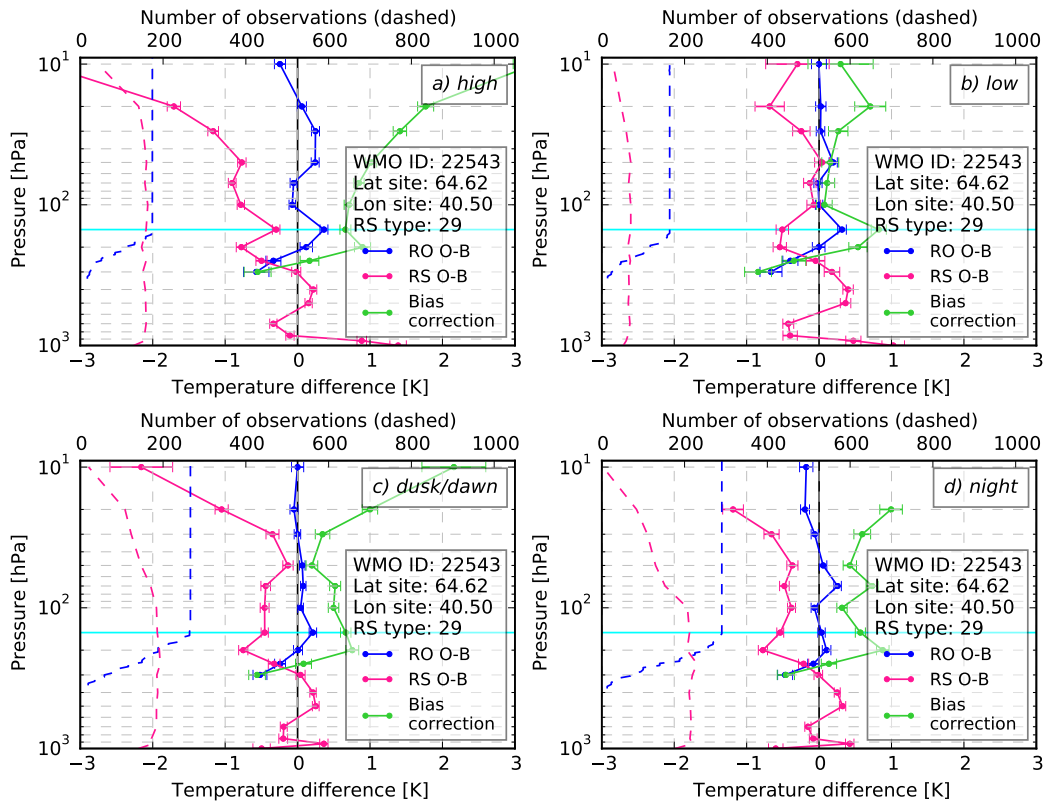
**Figure 1.108:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.109 WMO ID 22522



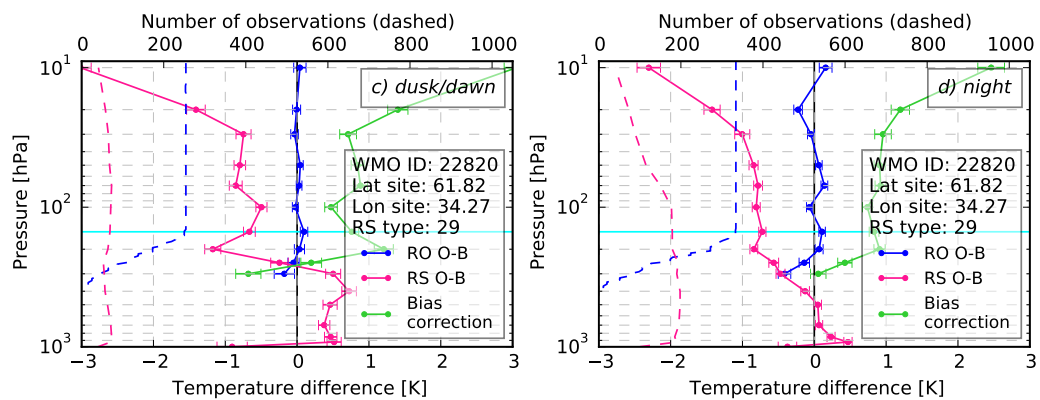
**Figure 1.109:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.110 WMO ID 22543



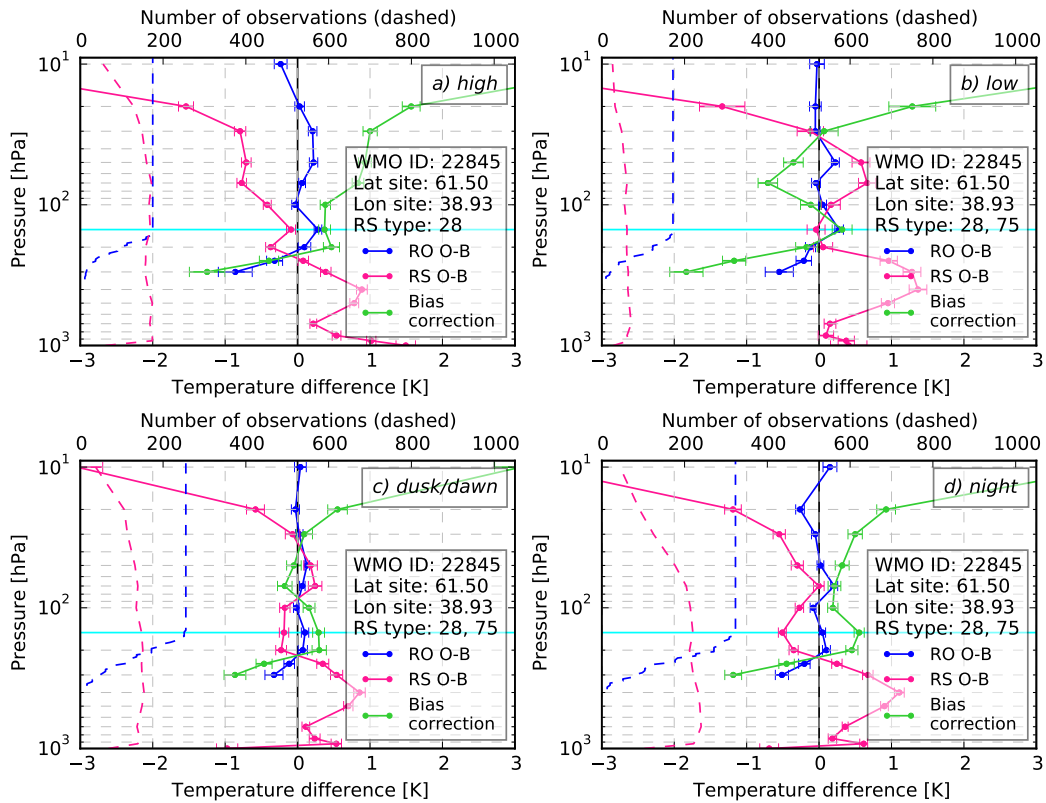
**Figure 1.110:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.111 WMO ID 22820



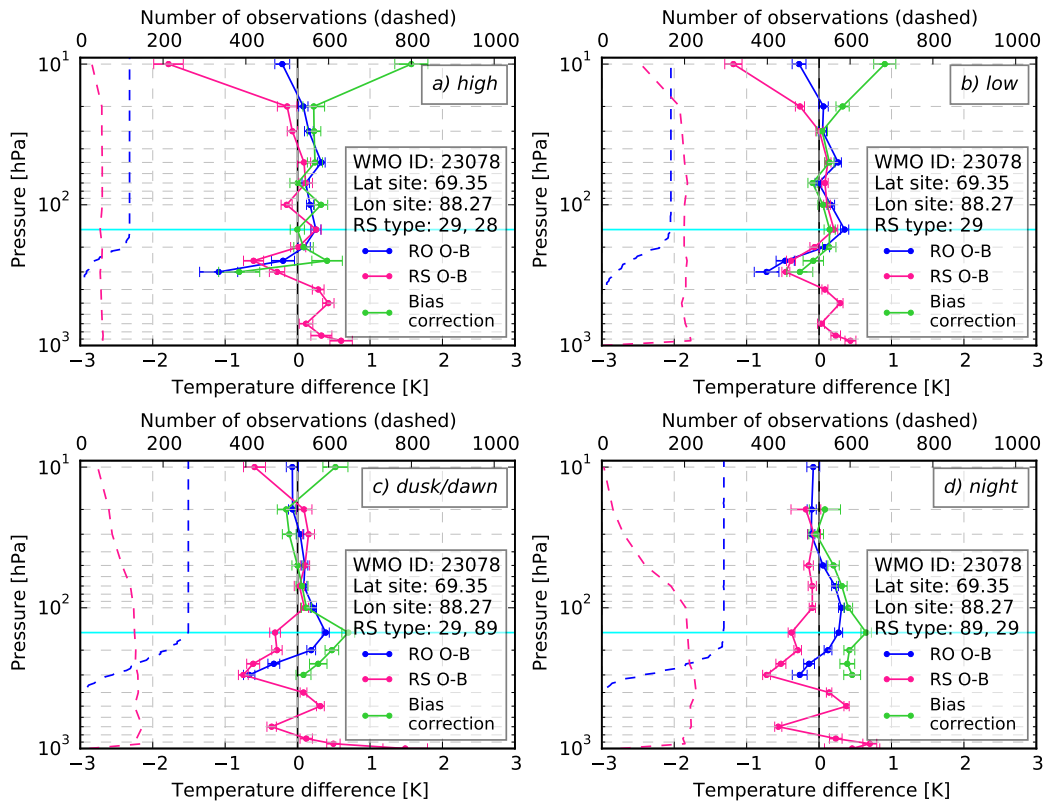
**Figure 1.111:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.112 WMO ID 22845



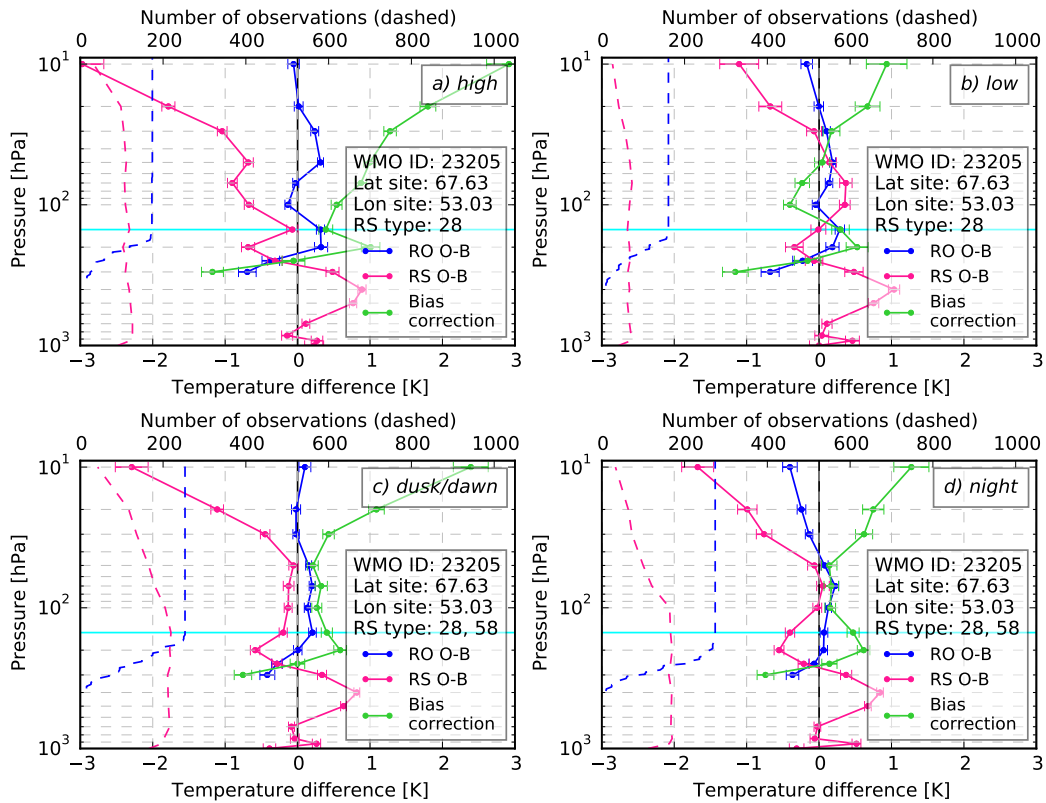
**Figure 1.112:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.113 WMO ID 23078



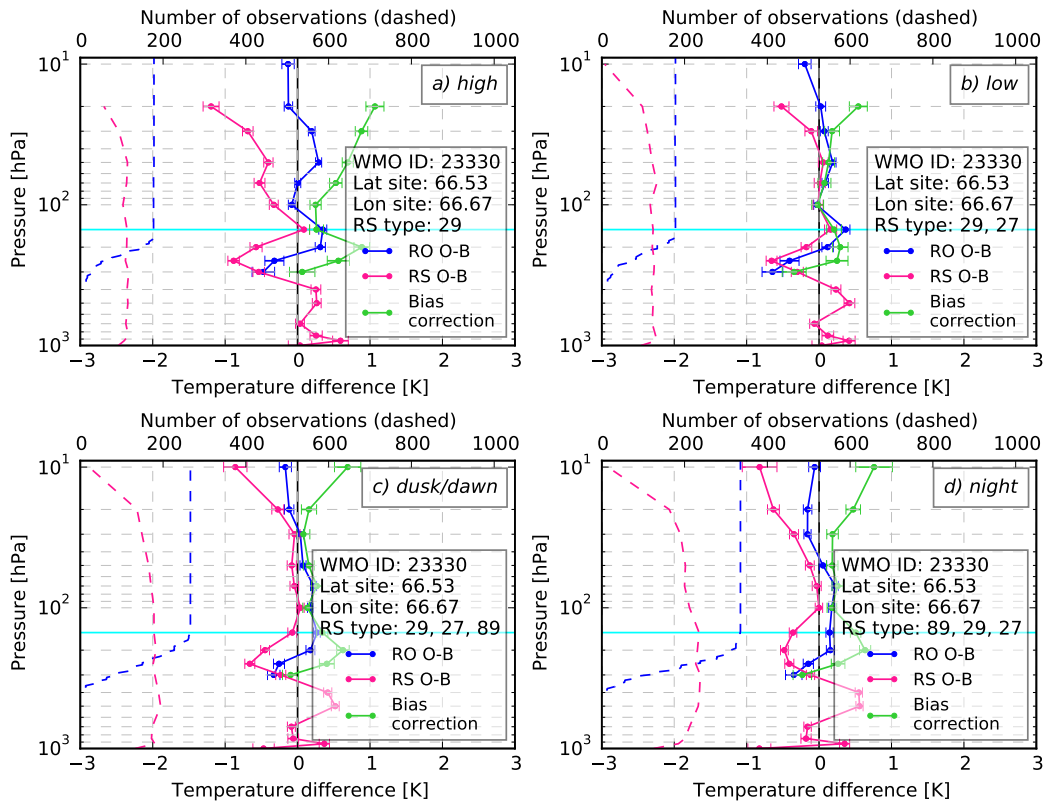
**Figure 1.113:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.114 WMO ID 23205



**Figure 1.114:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

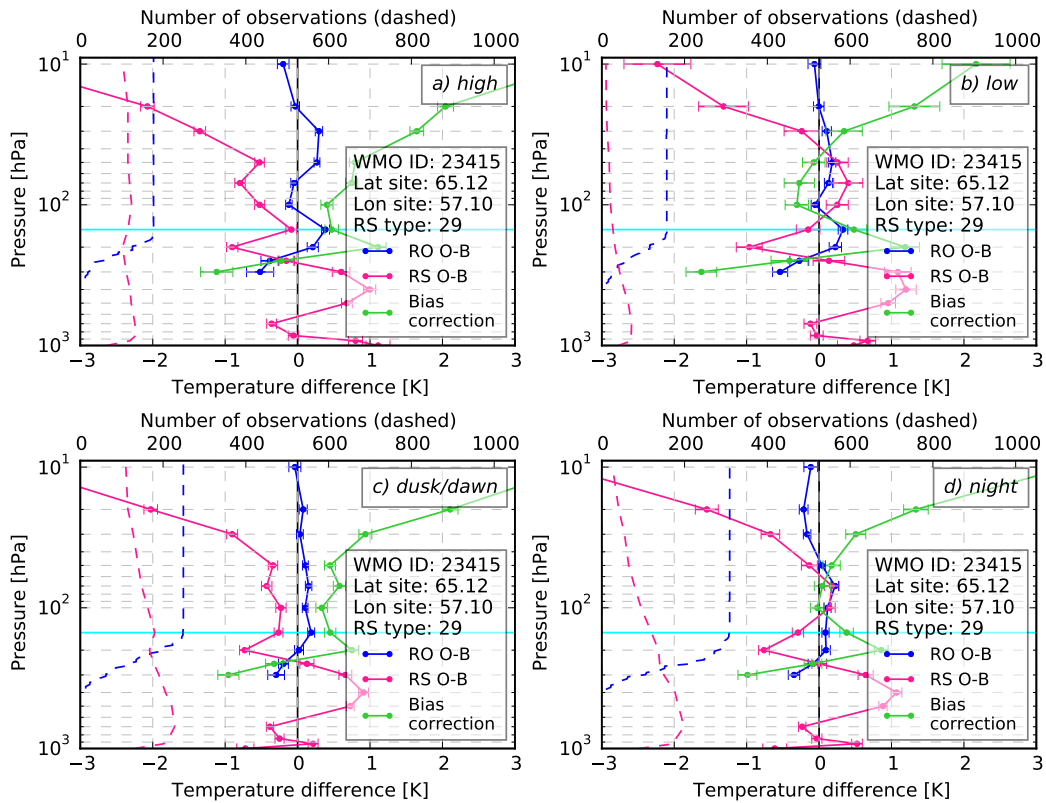
### 1.115 WMO ID 23330



**Figure 1.115:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

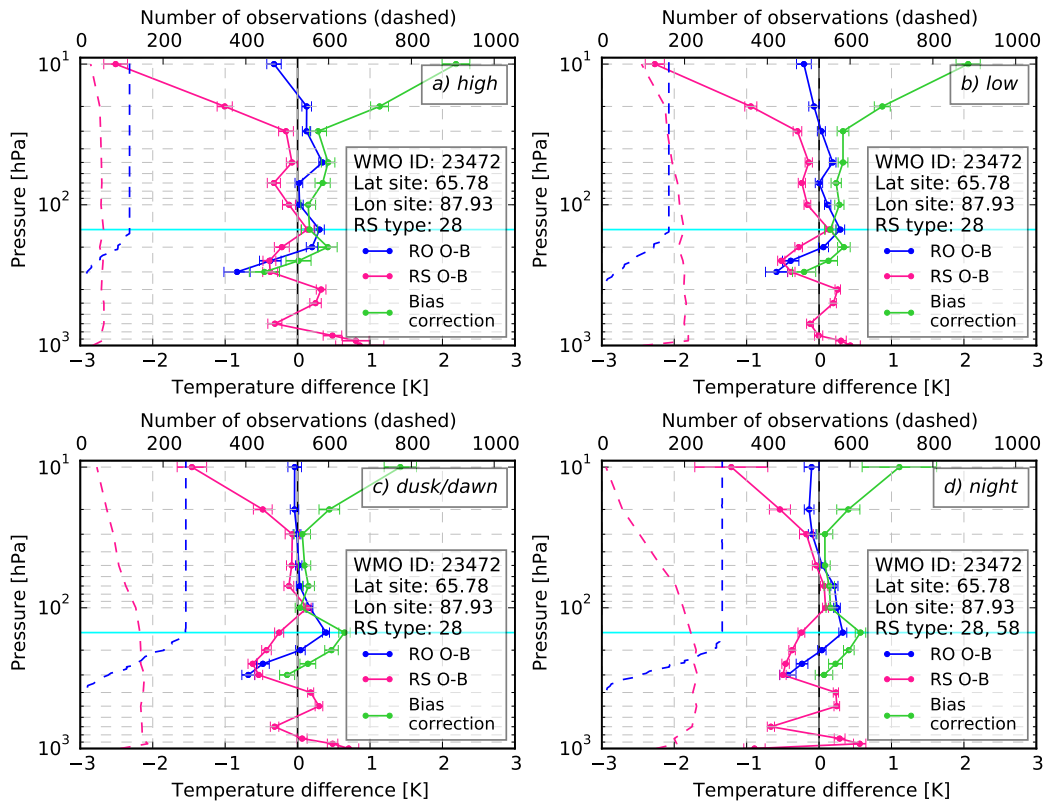


### 1.116 WMO ID 23415



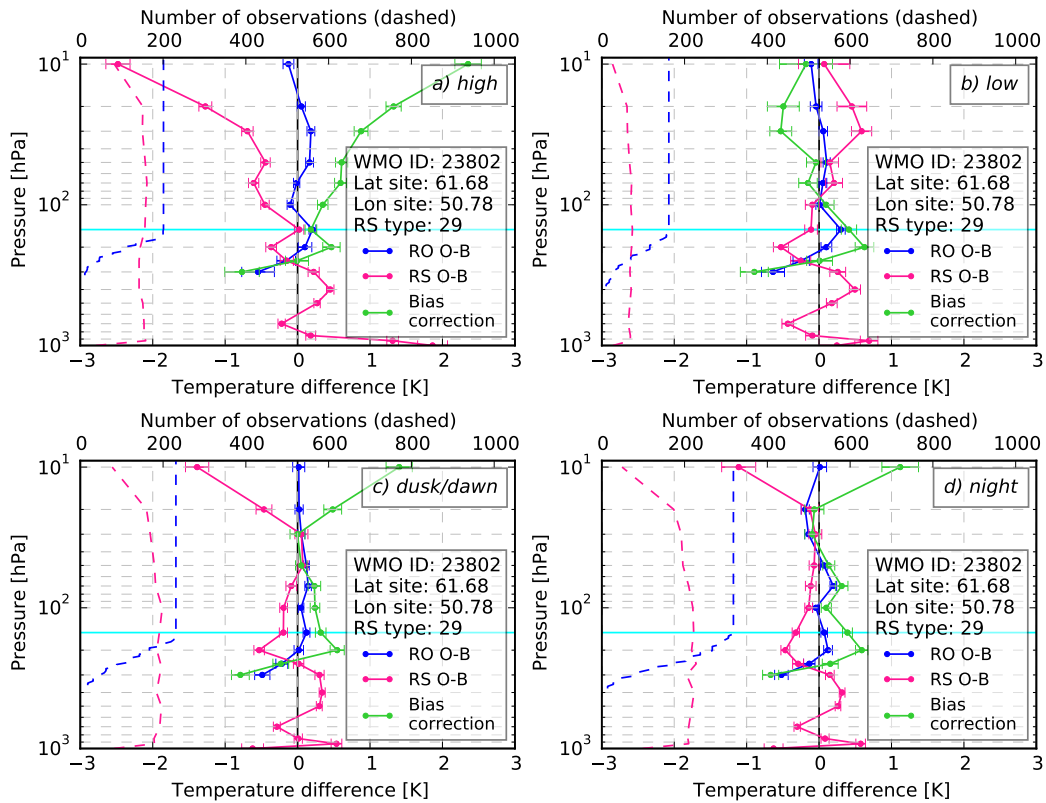
**Figure 1.116:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.117 WMO ID 23472



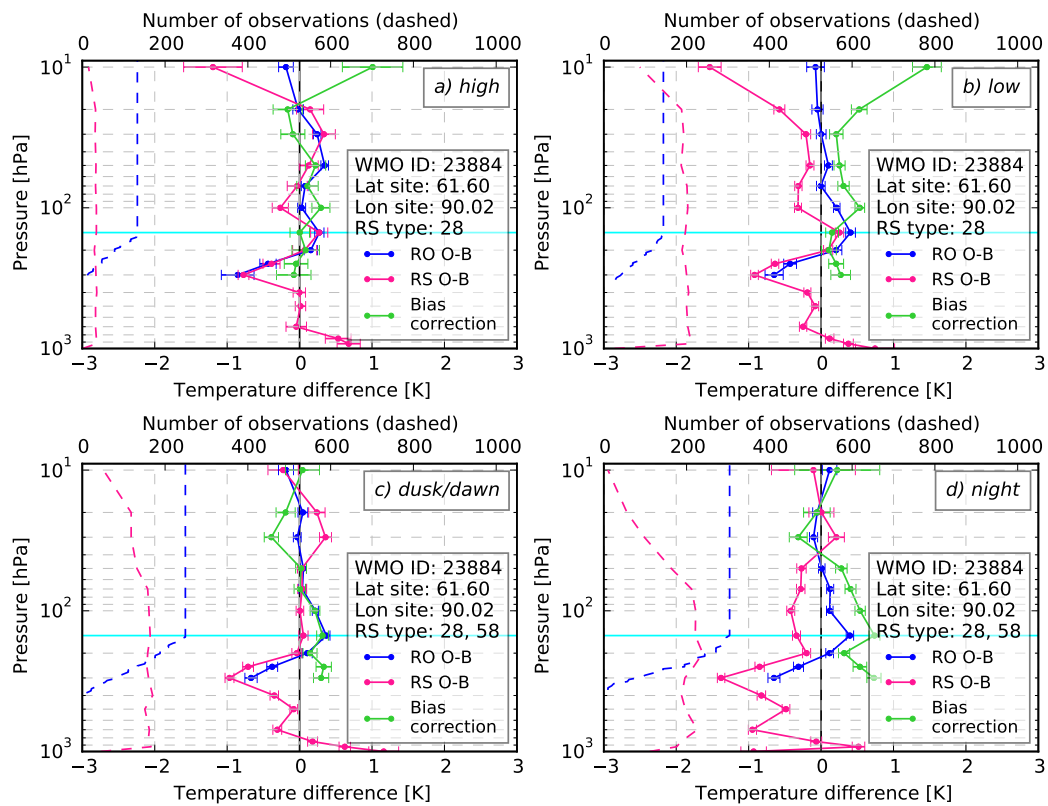
**Figure 1.117:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.118 WMO ID 23802



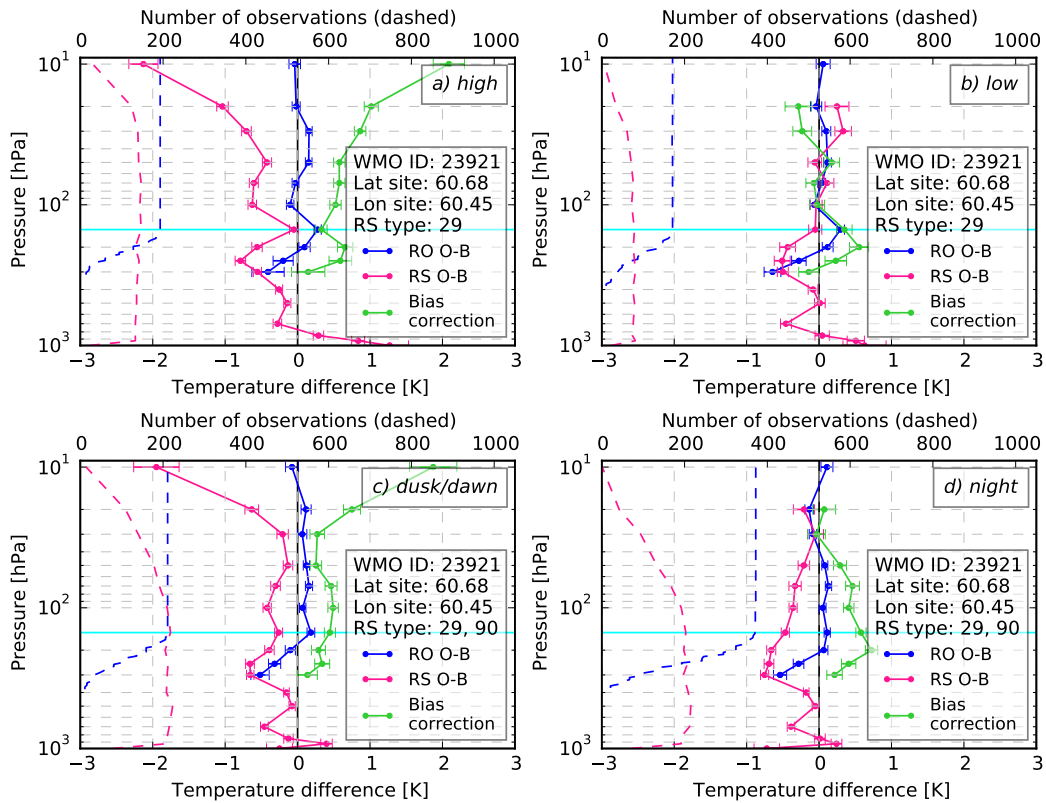
**Figure 1.118:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.119 WMO ID 23884



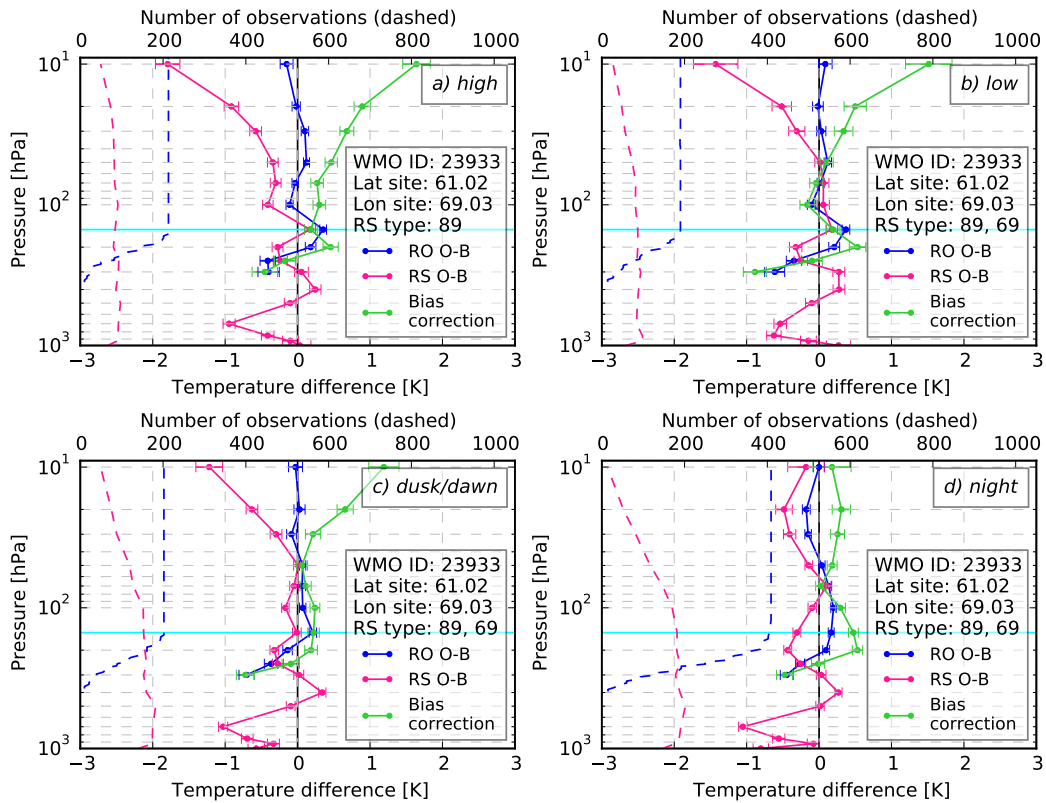
**Figure 1.119:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.120 WMO ID 23921



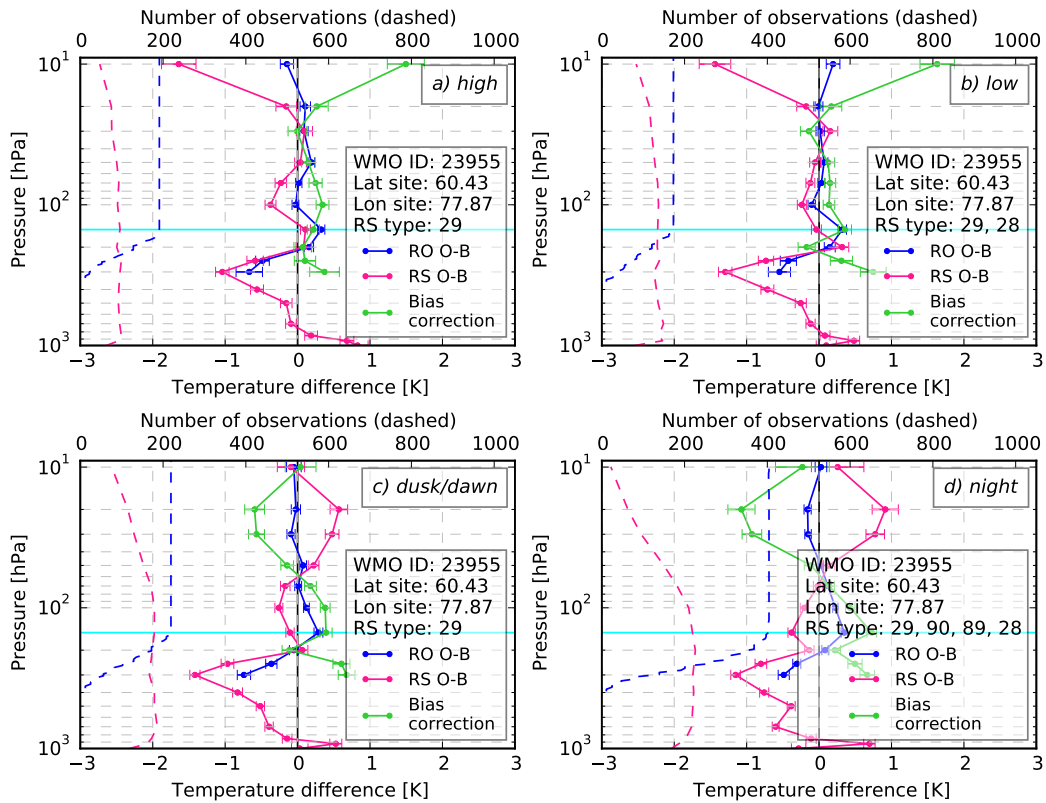
**Figure 1.120:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.121 WMO ID 23933



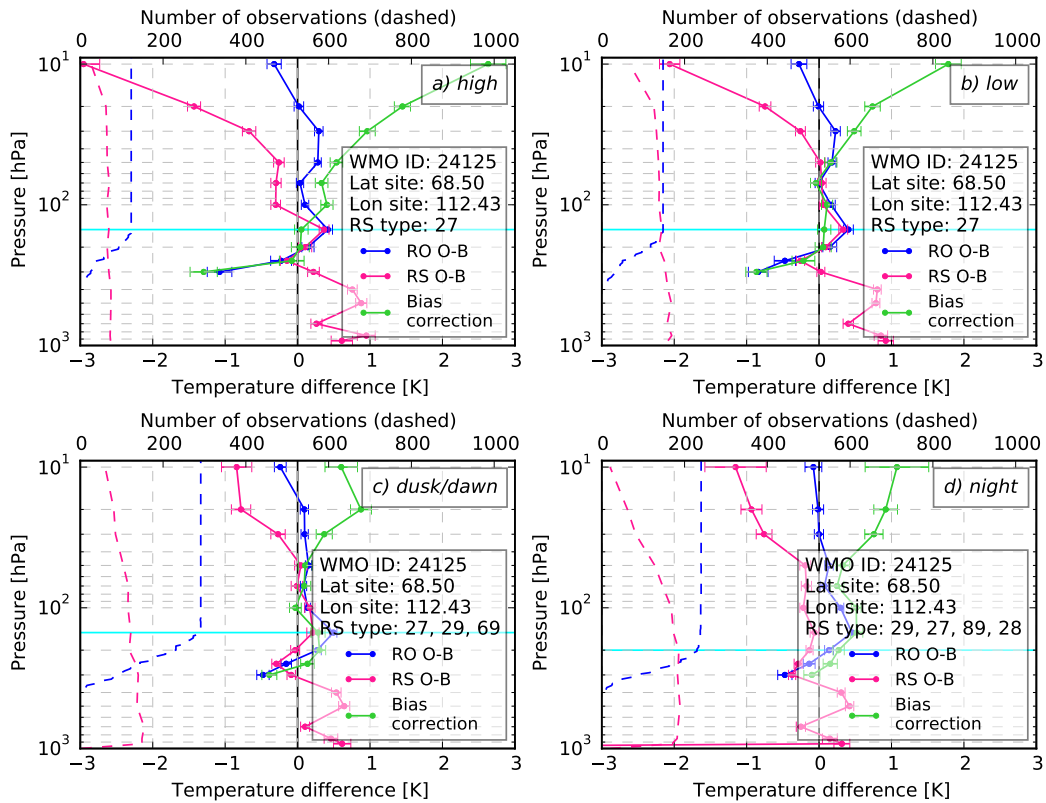
**Figure 1.121:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.122 WMO ID 23955



**Figure 1.122:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

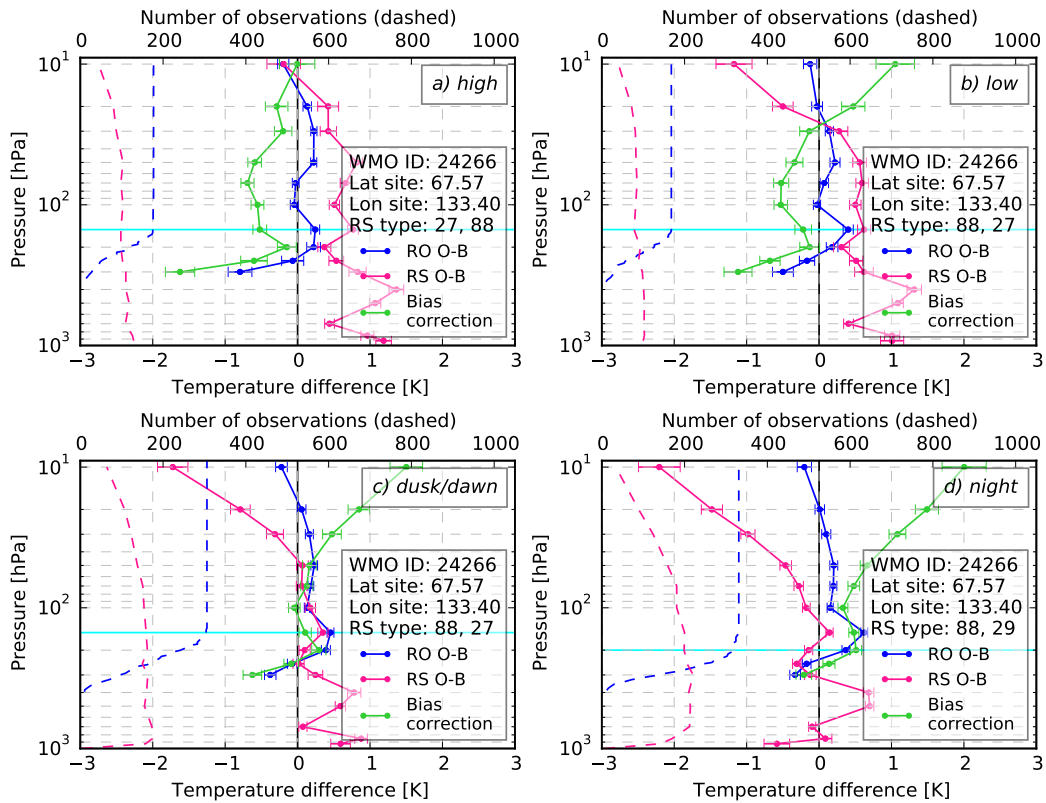
### 1.123 WMO ID 24125



**Figure 1.123:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

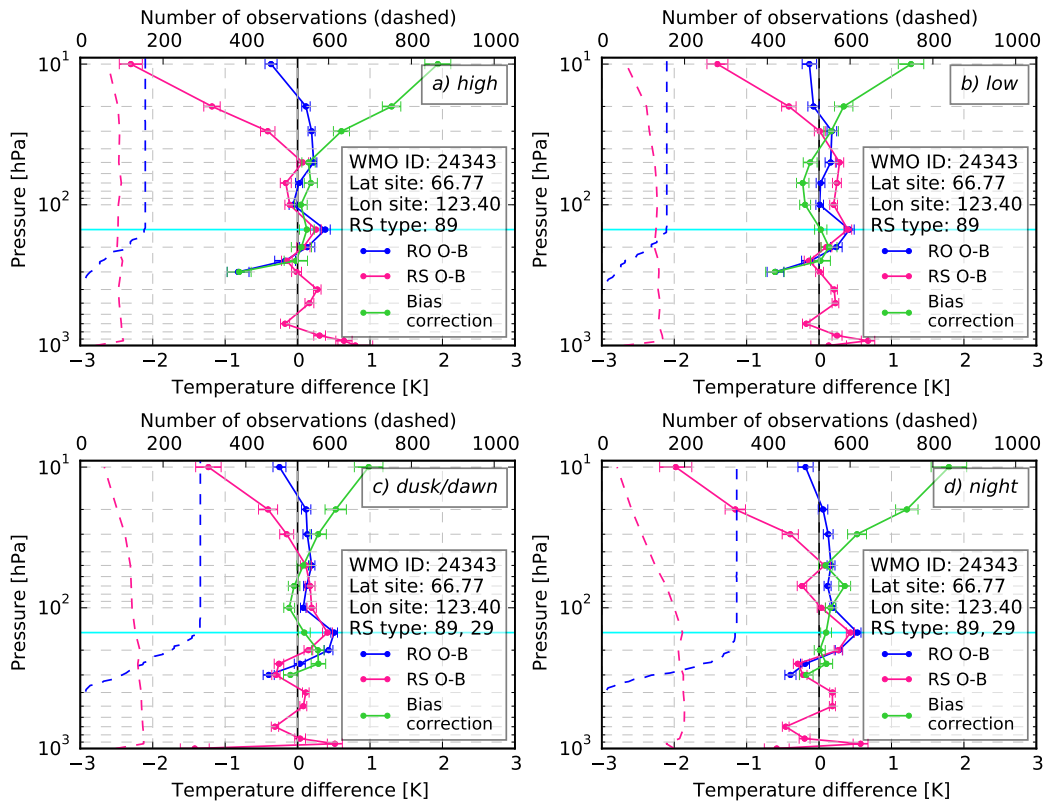


### 1.124 WMO ID 24266



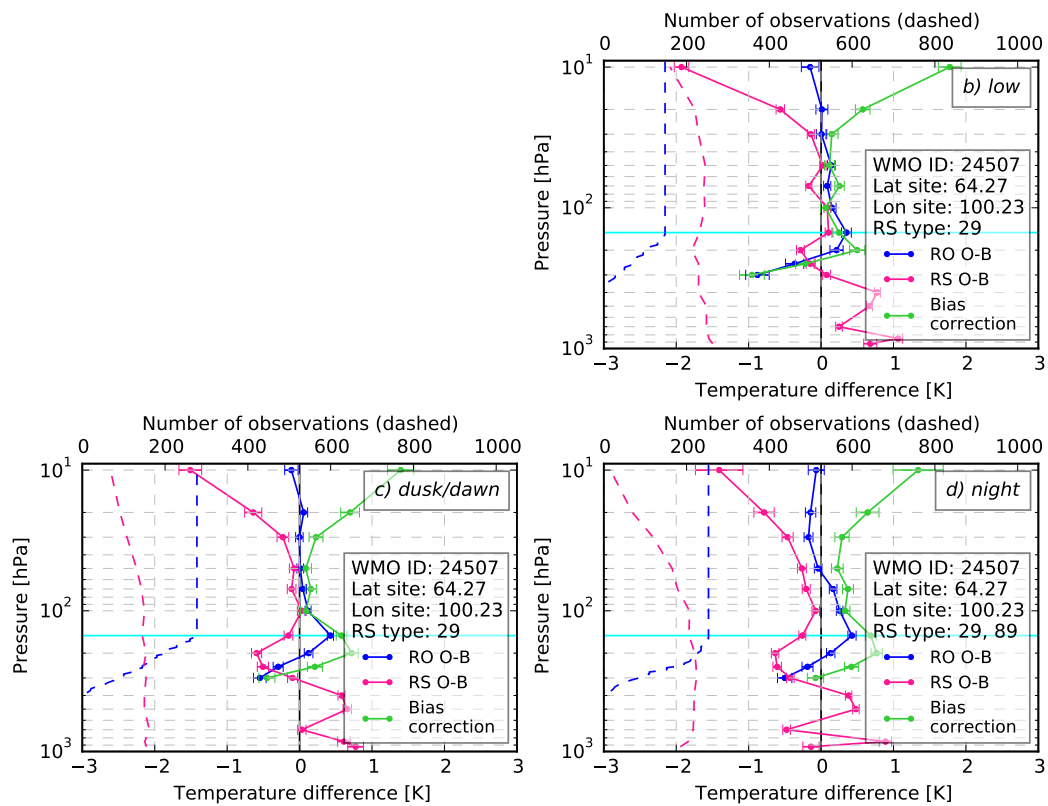
**Figure 1.124:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.125 WMO ID 24343



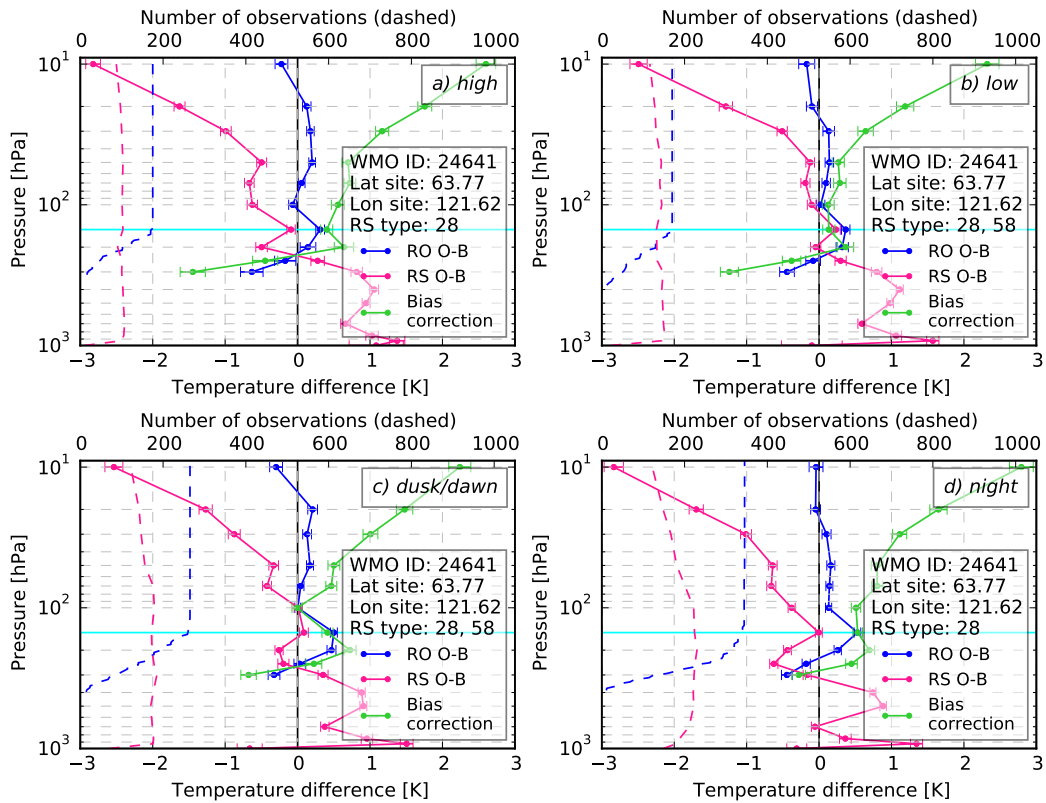
**Figure 1.125:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.126 WMO ID 24507



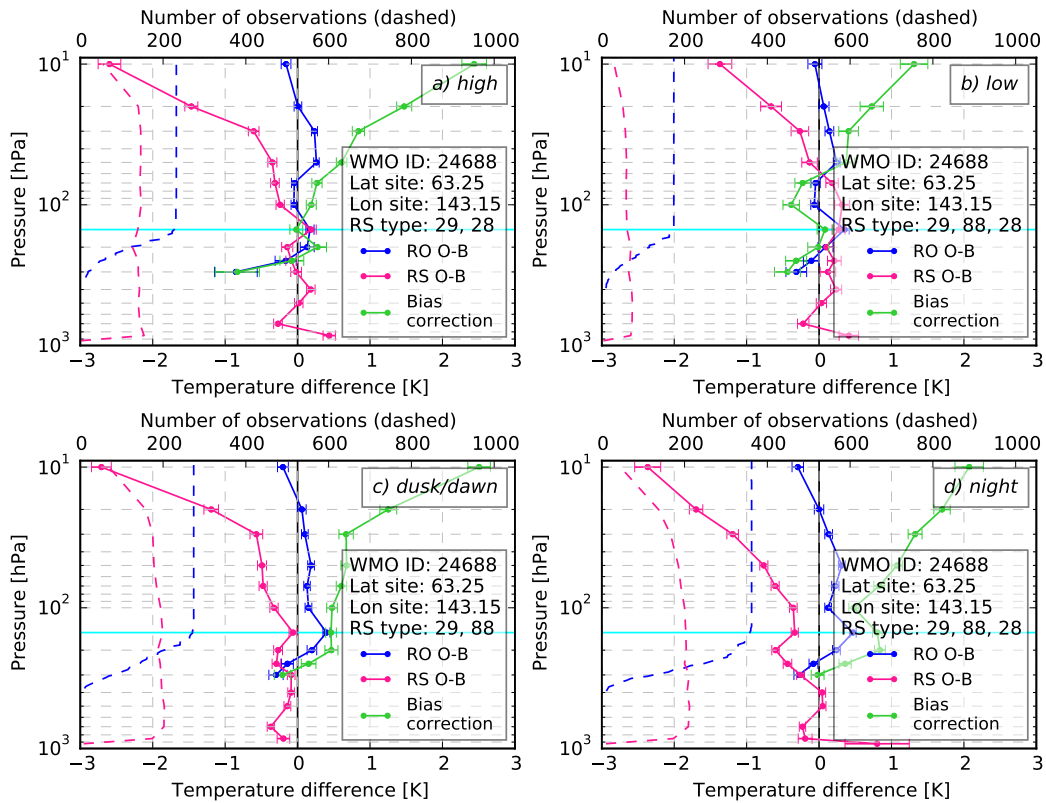
**Figure 1.126:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.127 WMO ID 24641



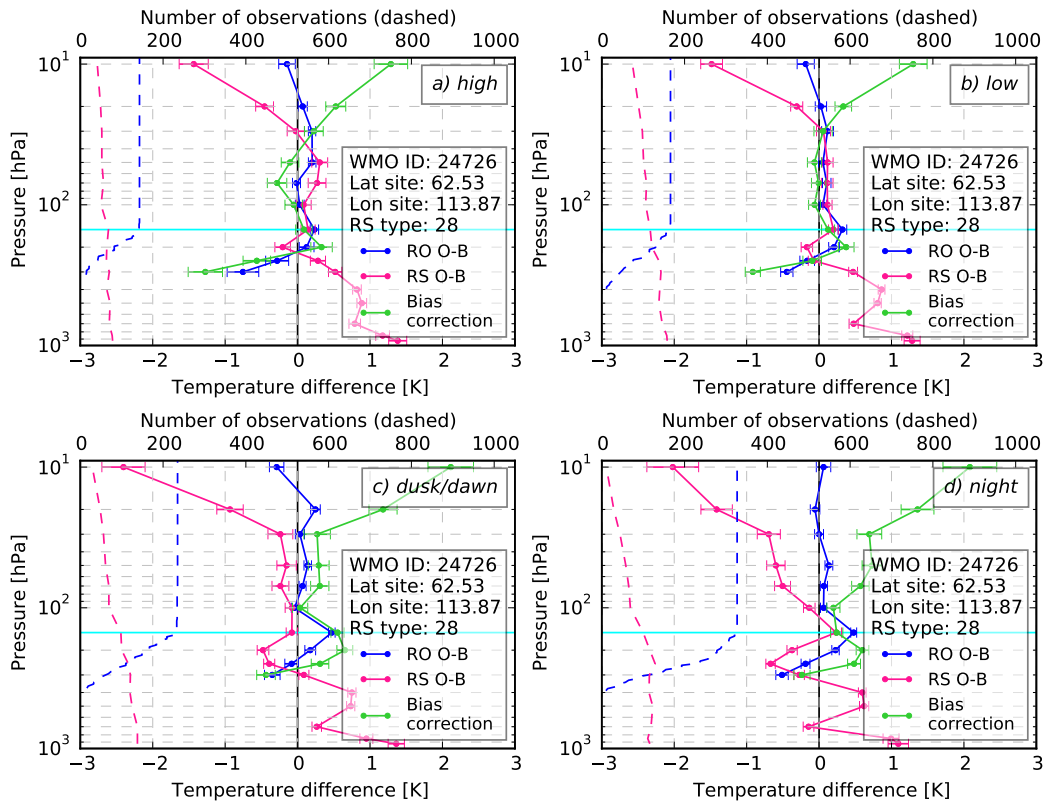
**Figure 1.127:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.128 WMO ID 24688



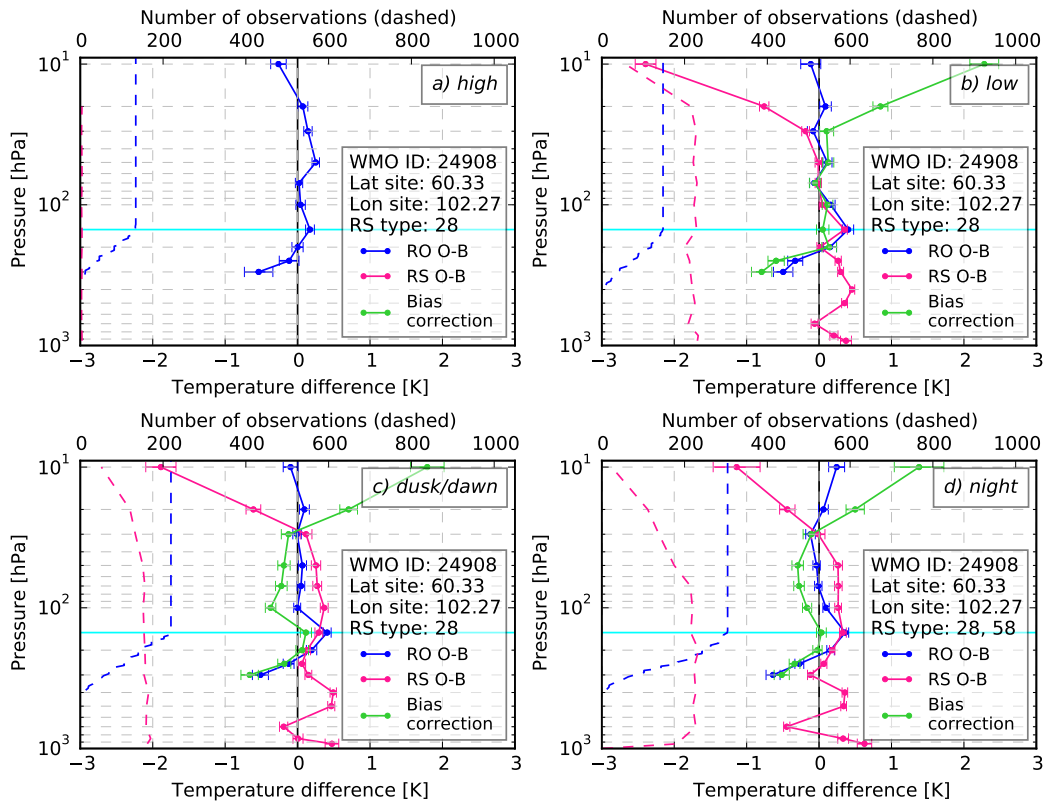
**Figure 1.128:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.129 WMO ID 24726



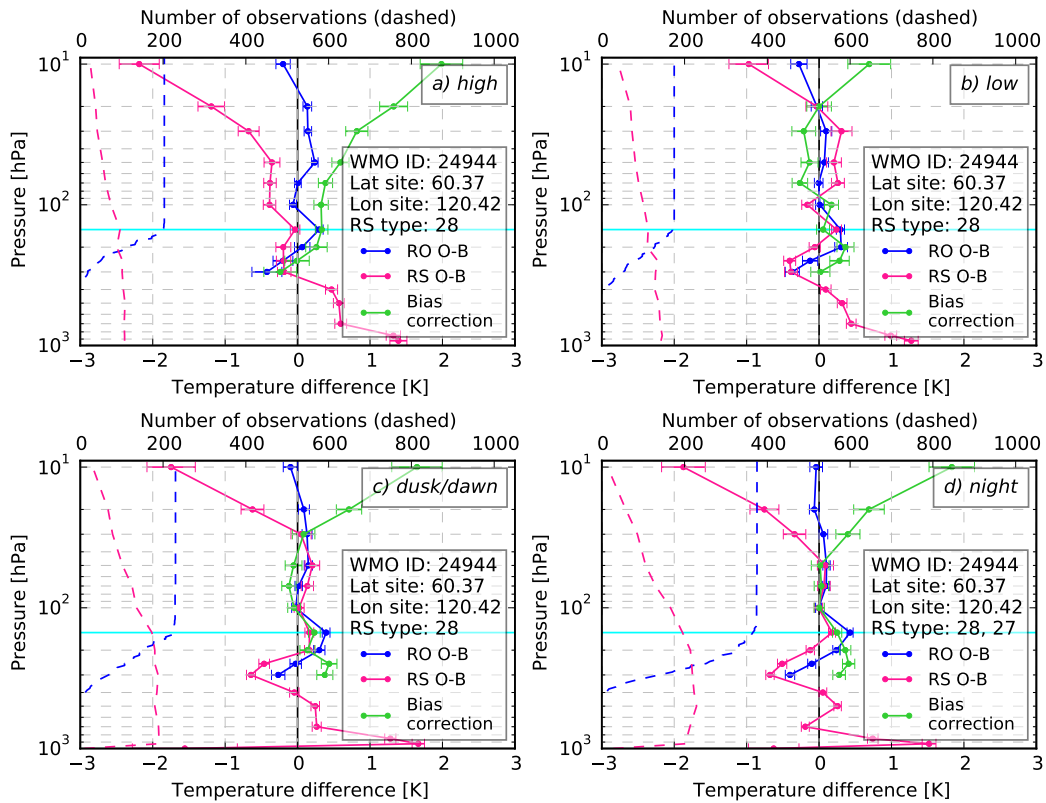
**Figure 1.129:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.130 WMO ID 24908



**Figure 1.130:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

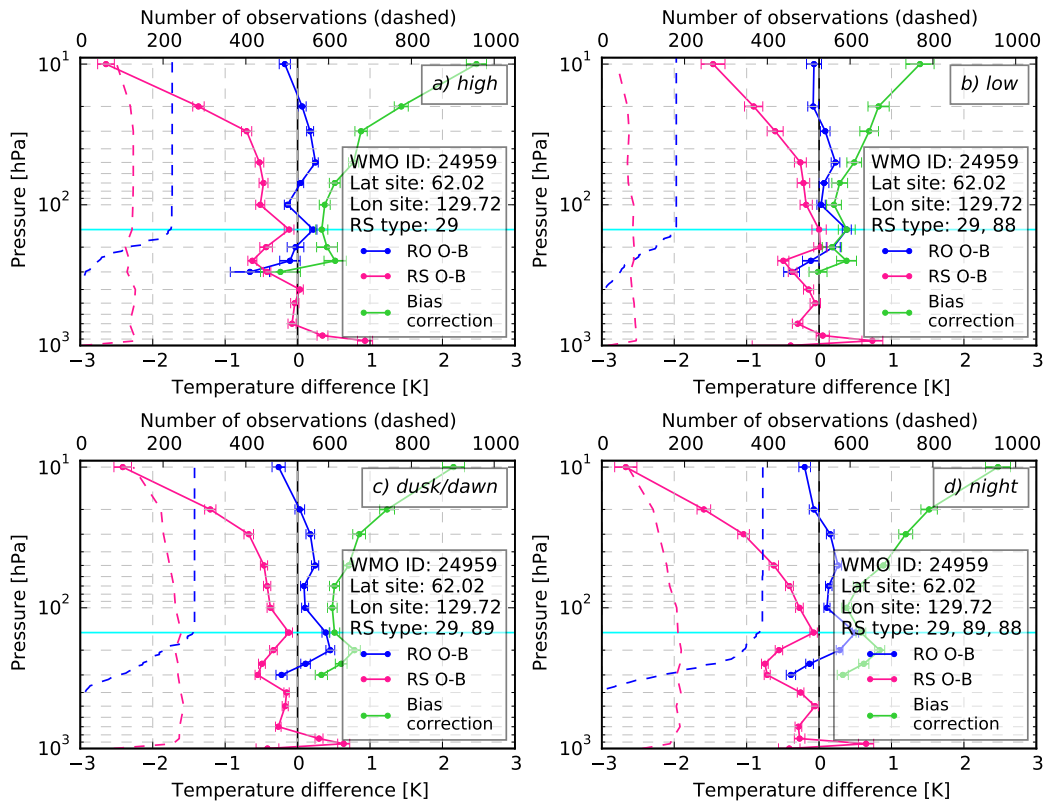
### 1.131 WMO ID 24944



**Figure 1.131:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

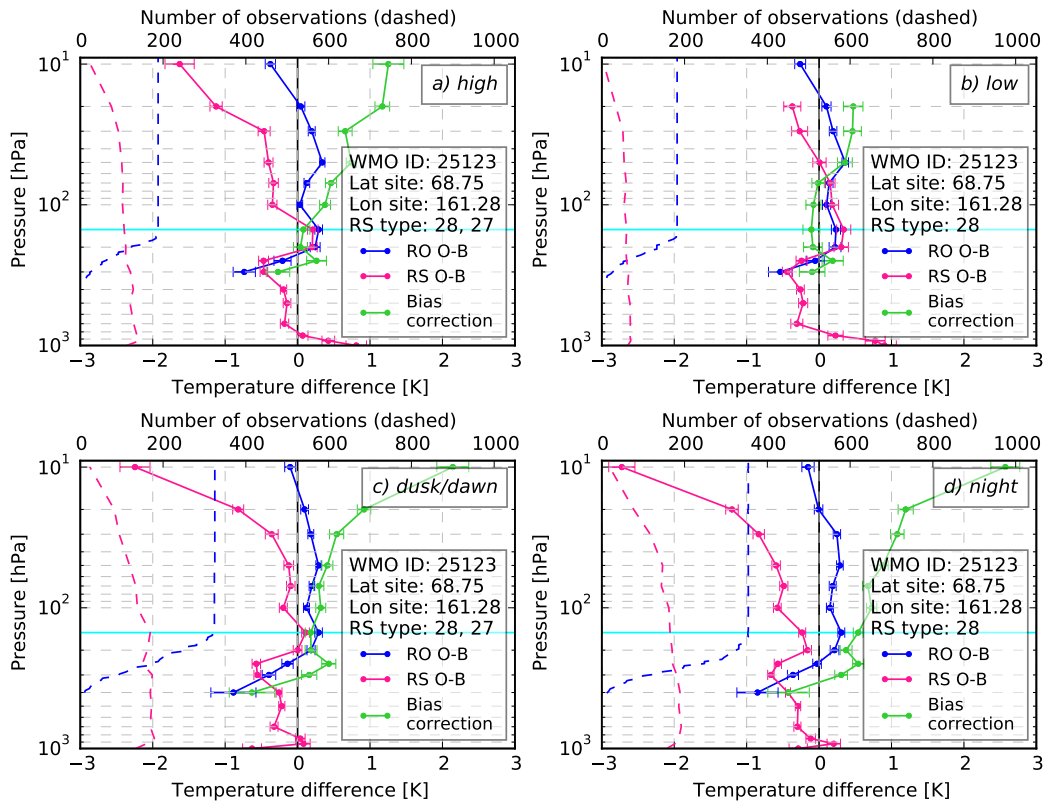


### 1.132 WMO ID 24959



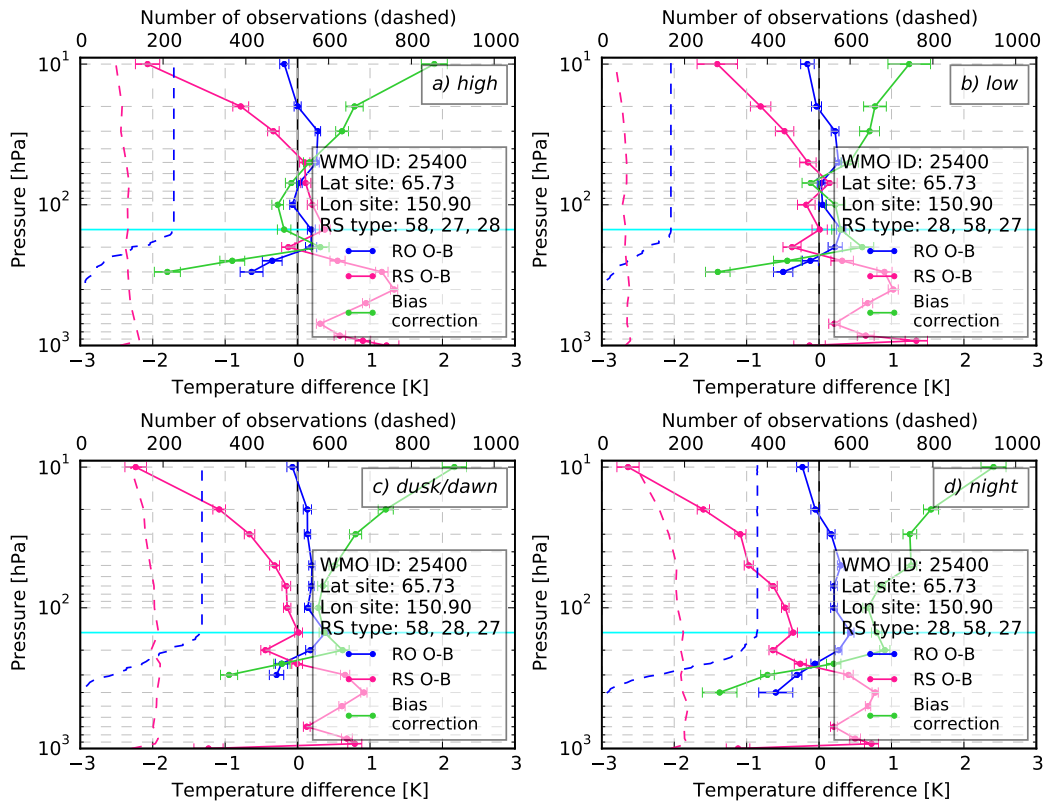
**Figure 1.132:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.133 WMO ID 25123



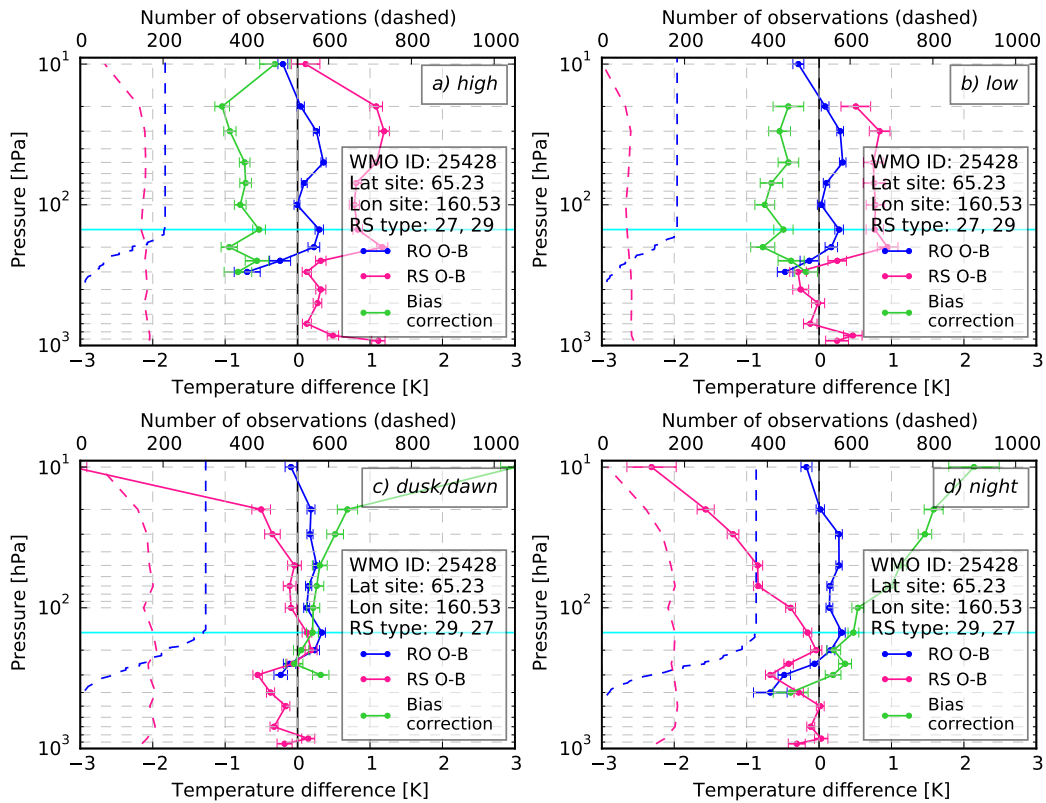
**Figure 1.133:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.134 WMO ID 25400



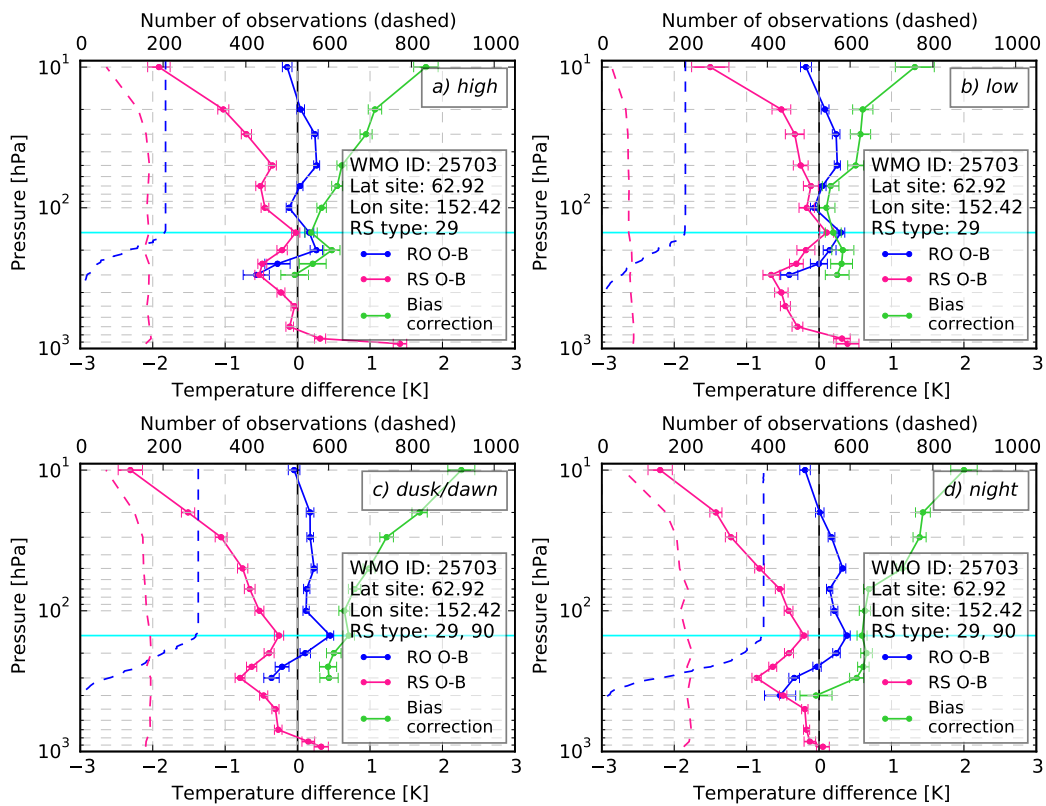
**Figure 1.134:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.135 WMO ID 25428



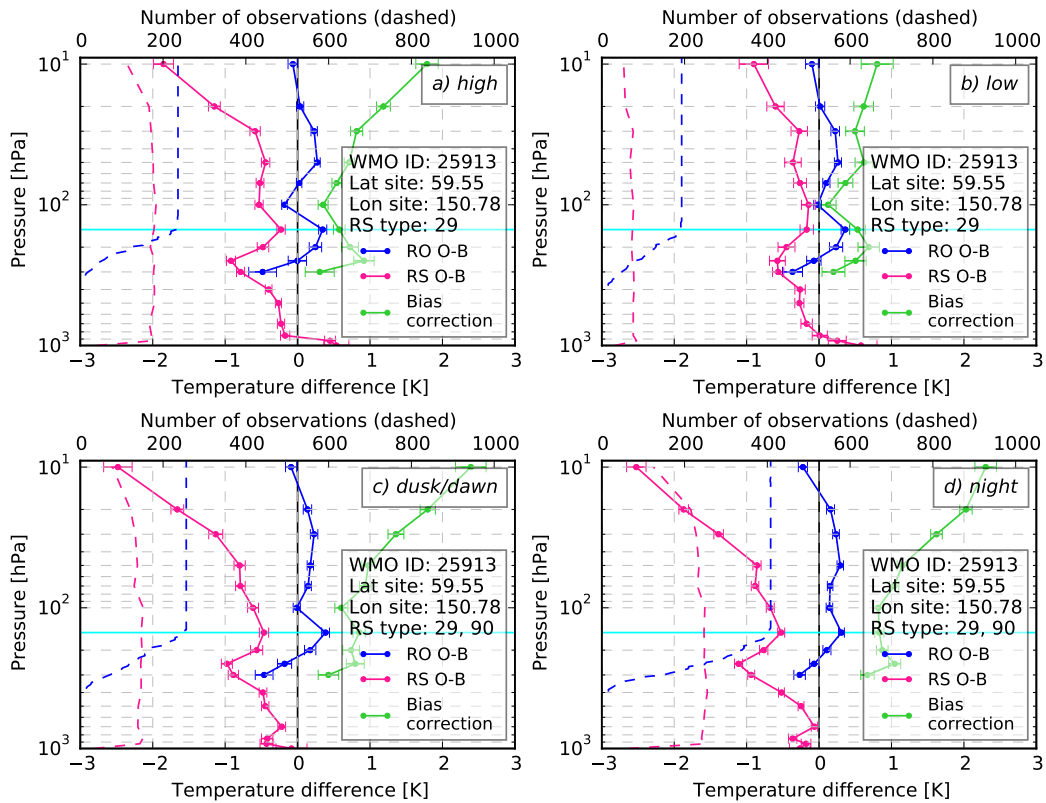
**Figure 1.135:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.136 WMO ID 25703



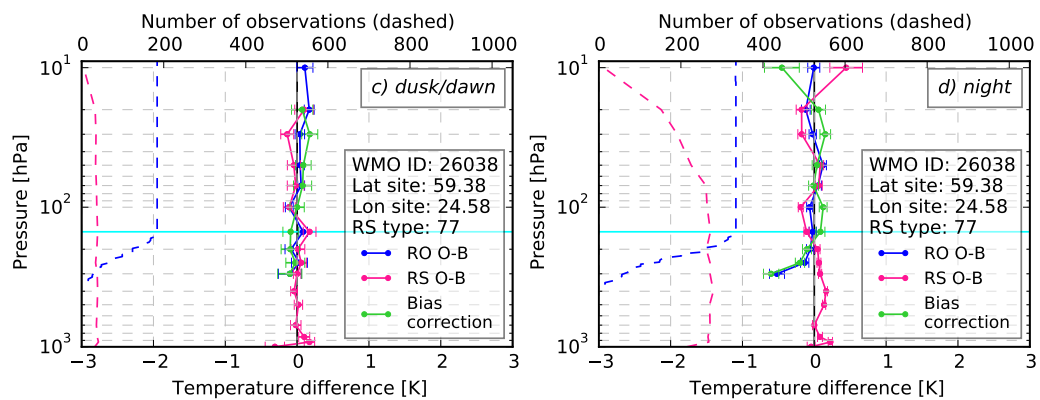
**Figure 1.136:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.137 WMO ID 25913



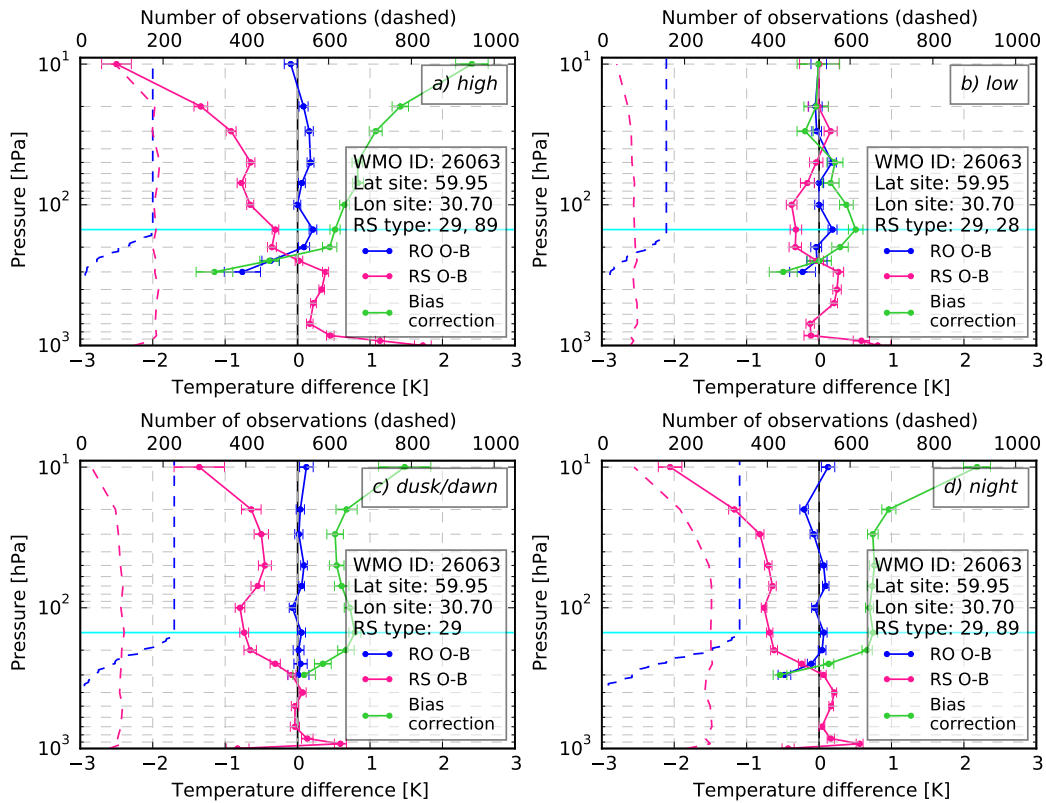
**Figure 1.137:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.138 WMO ID 26038



**Figure 1.138:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

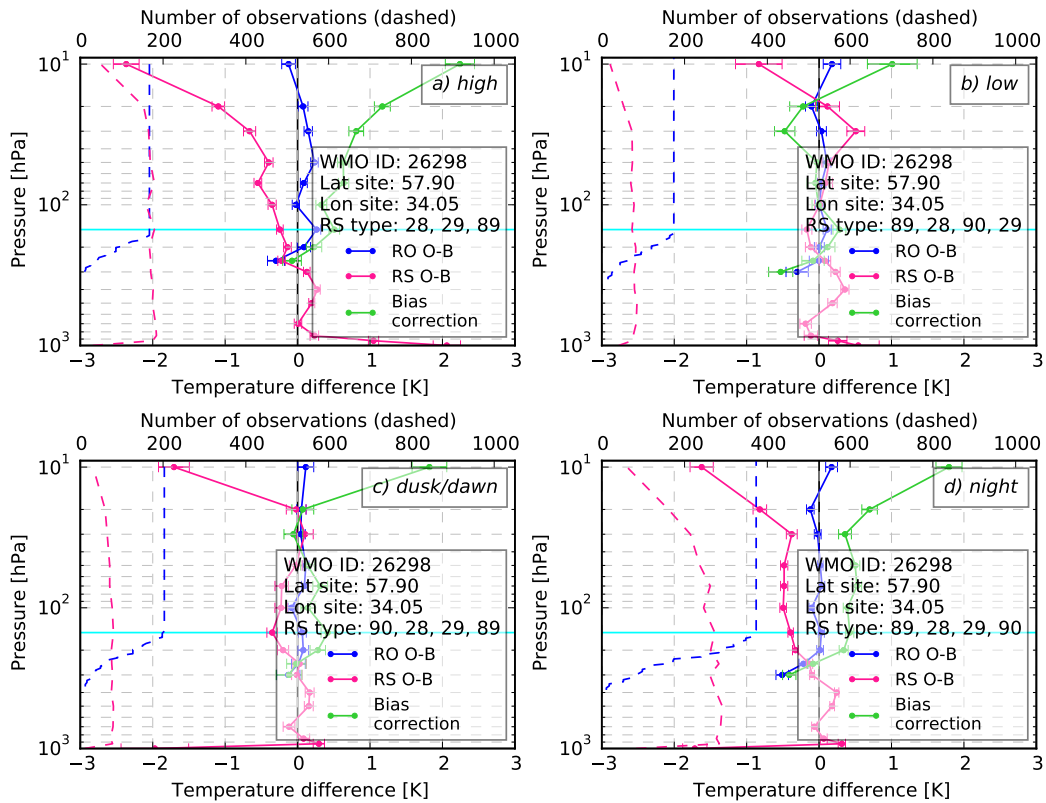
### 1.139 WMO ID 26063



**Figure 1.139:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

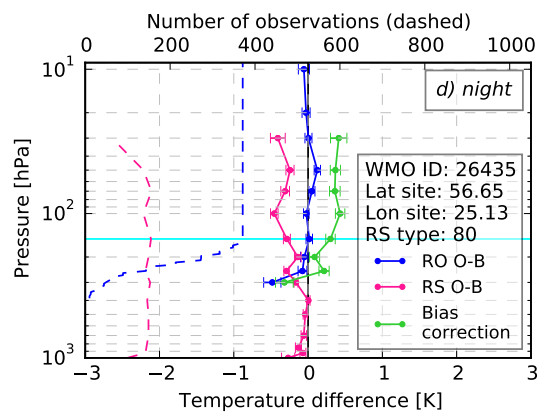


### 1.140 WMO ID 26298



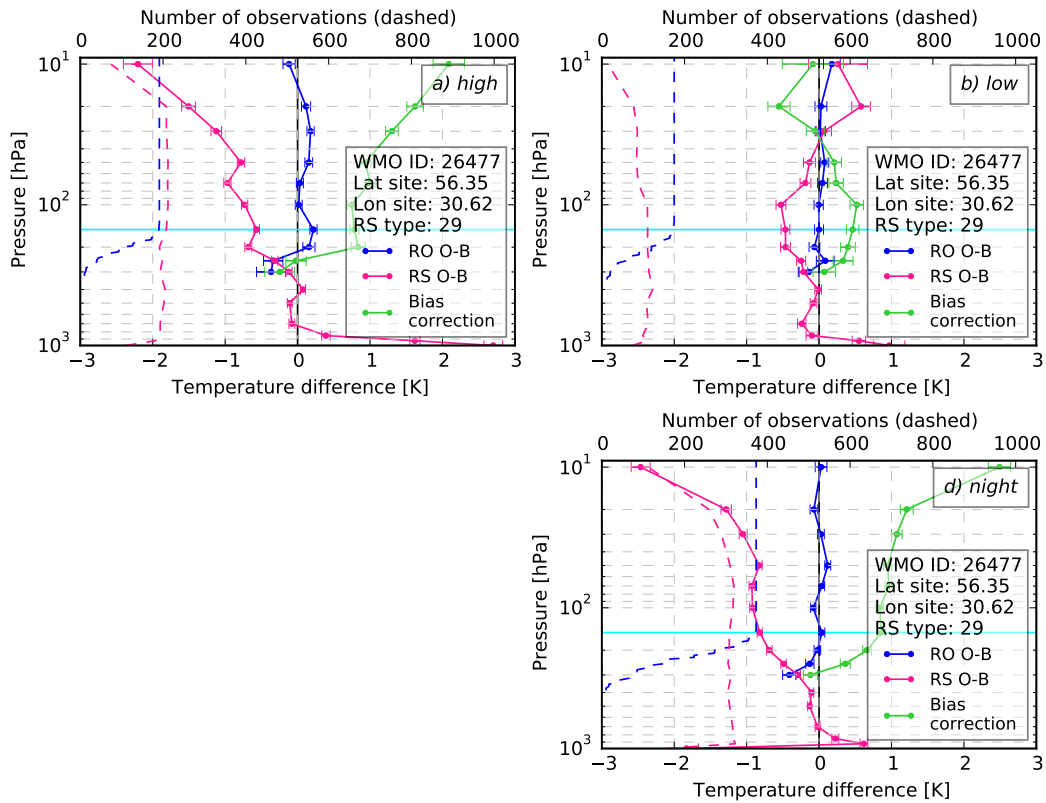
**Figure 1.140:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.141 WMO ID 26435



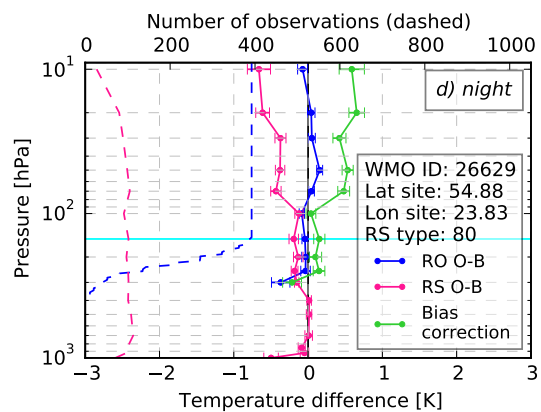
**Figure 1.141:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.142 WMO ID 26477



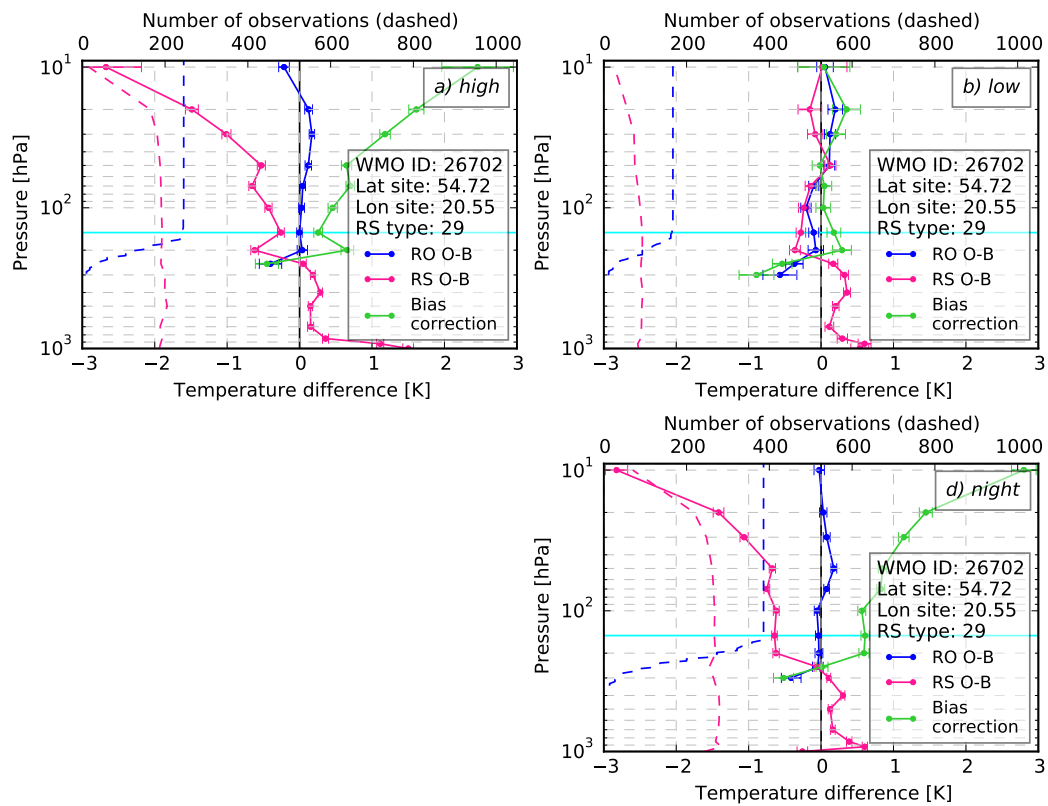
**Figure 1.142:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.143 WMO ID 26629



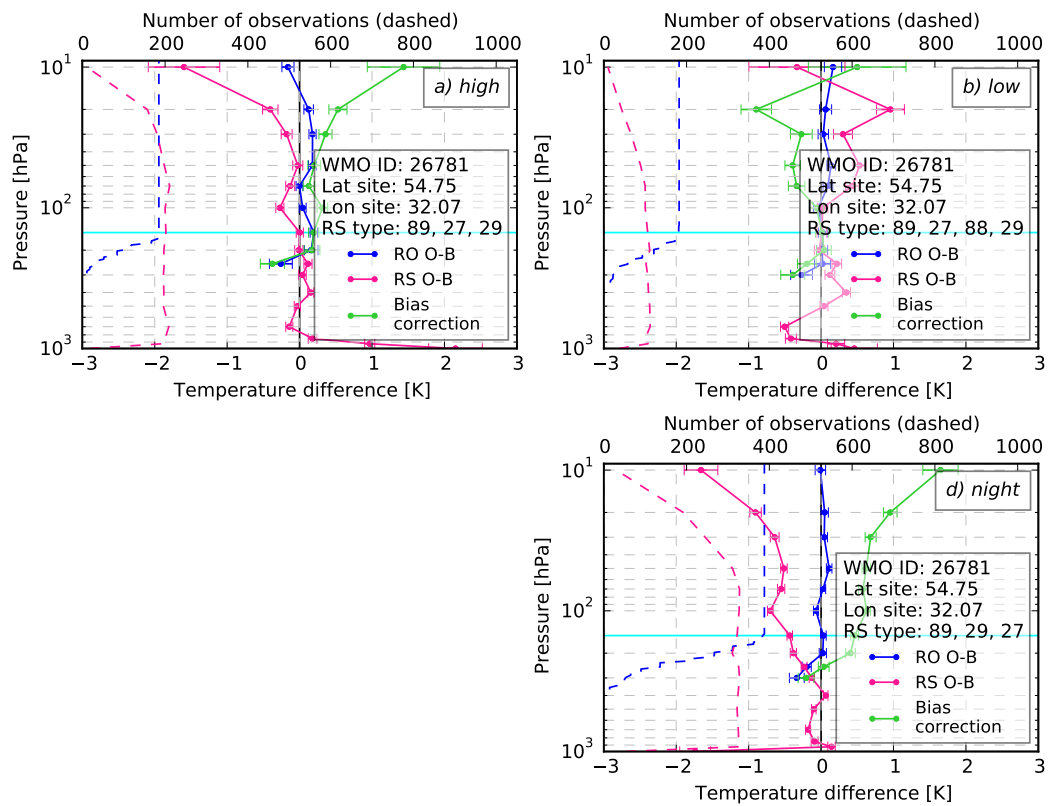
**Figure 1.143:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.144 WMO ID 26702



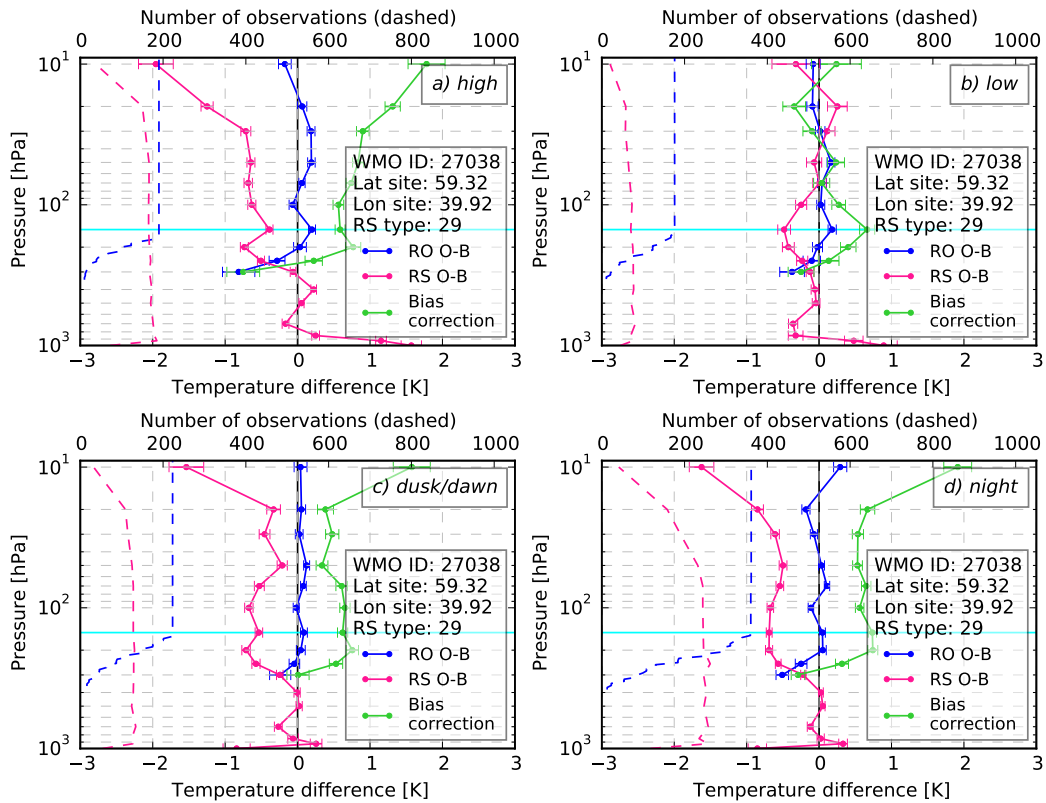
**Figure 1.144:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.145 WMO ID 26781



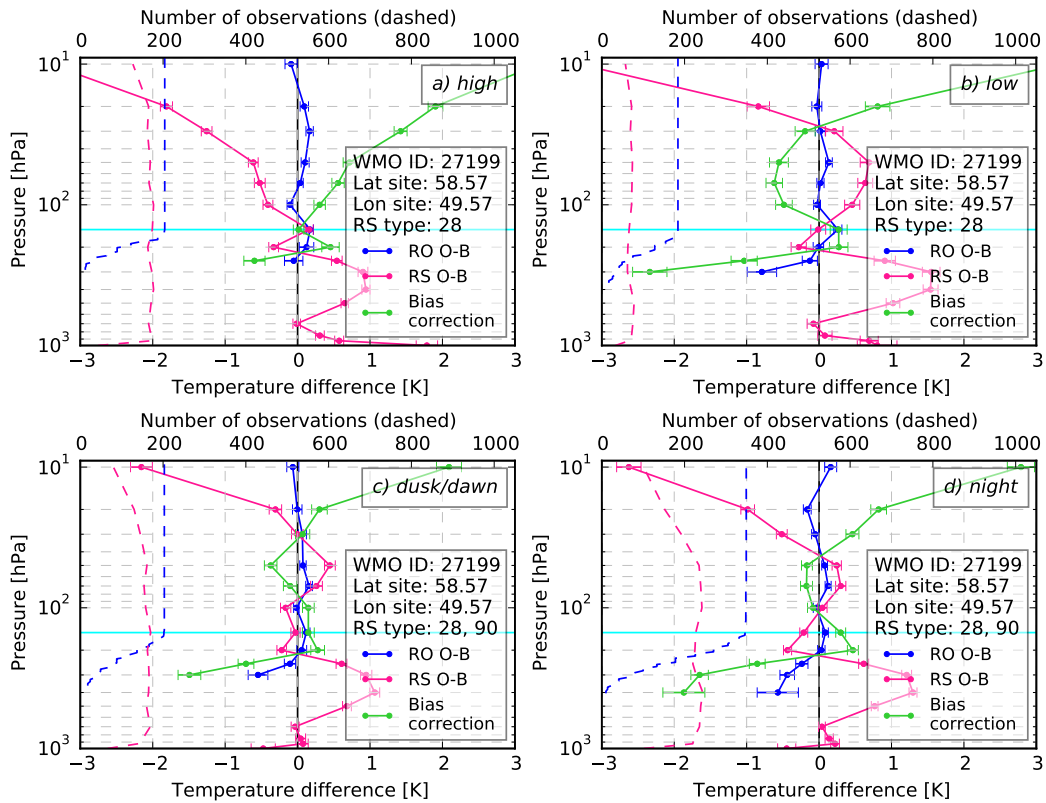
**Figure 1.145:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.146 WMO ID 27038



**Figure 1.146:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

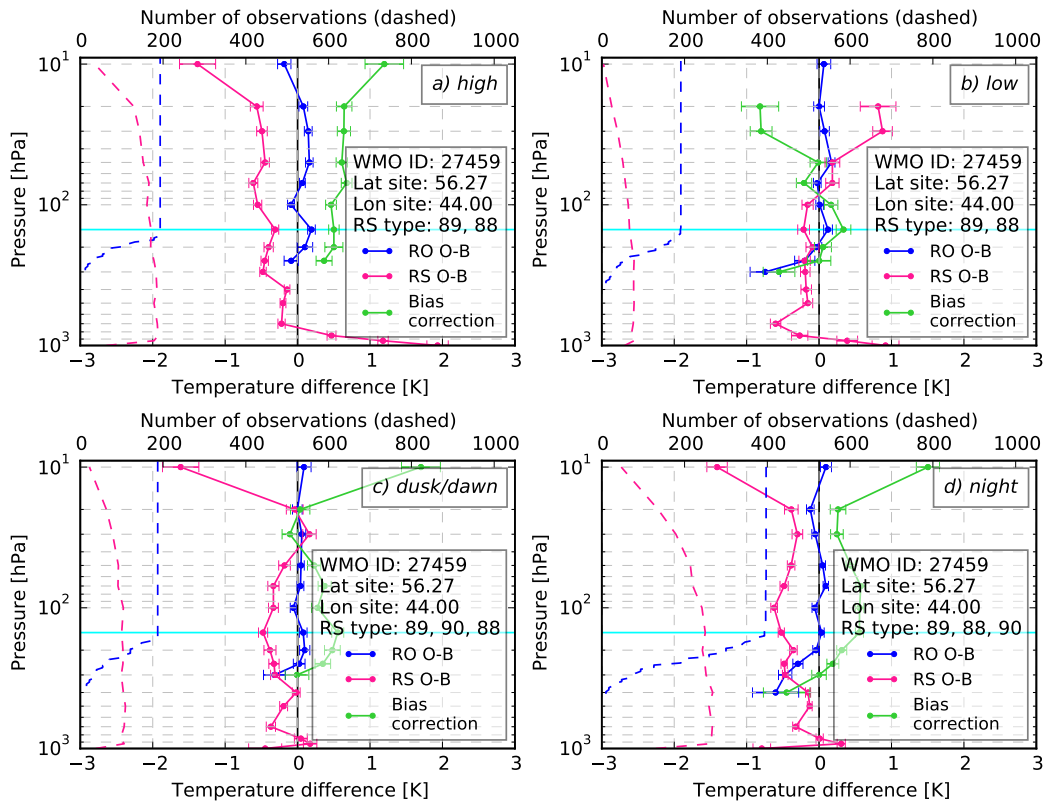
### 1.147 WMO ID 27199



**Figure 1.147:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

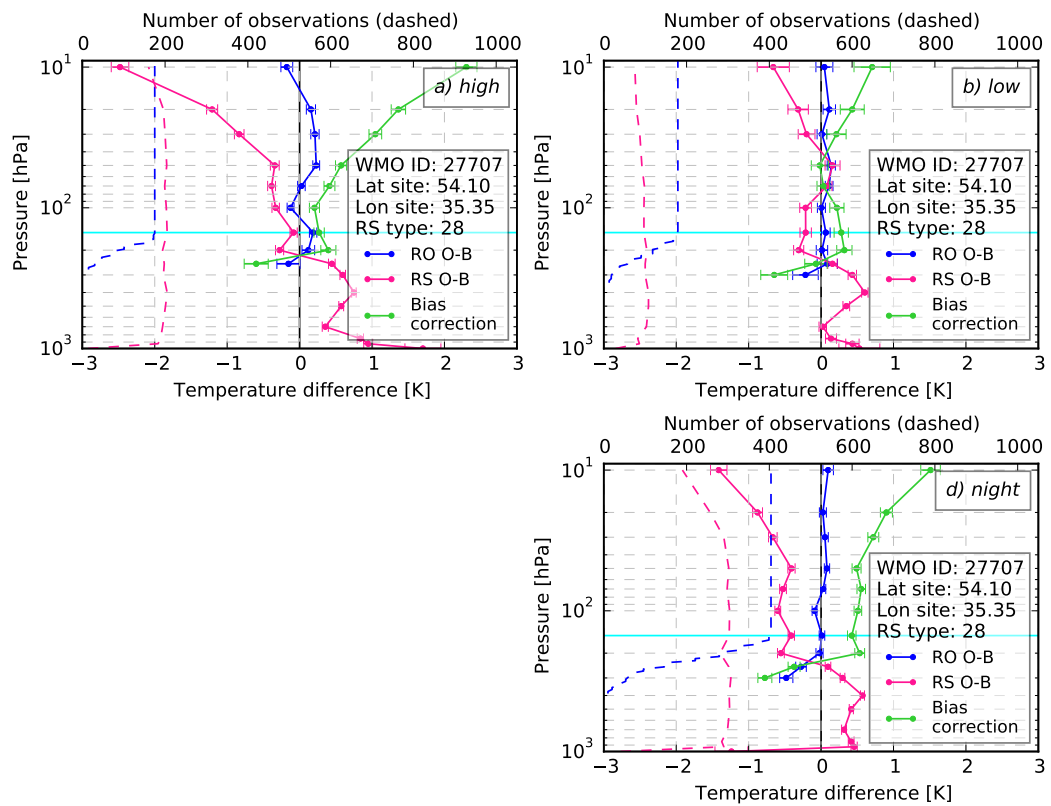


### 1.148 WMO ID 27459



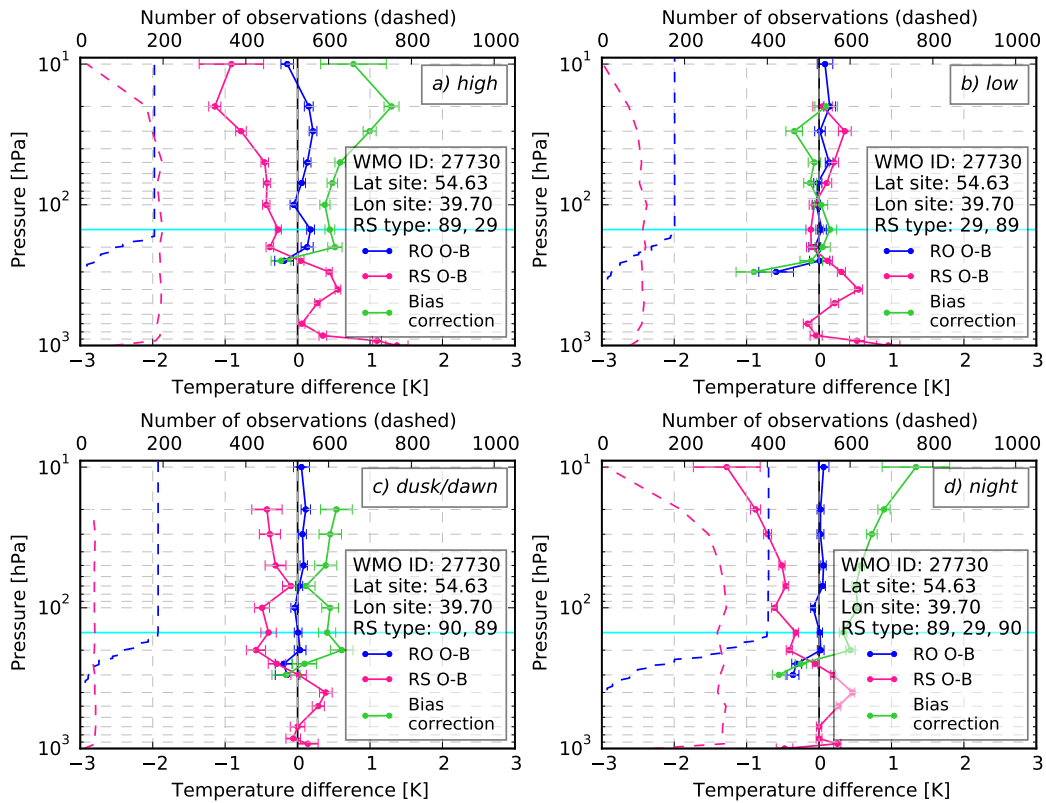
**Figure 1.148:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.149 WMO ID 27707



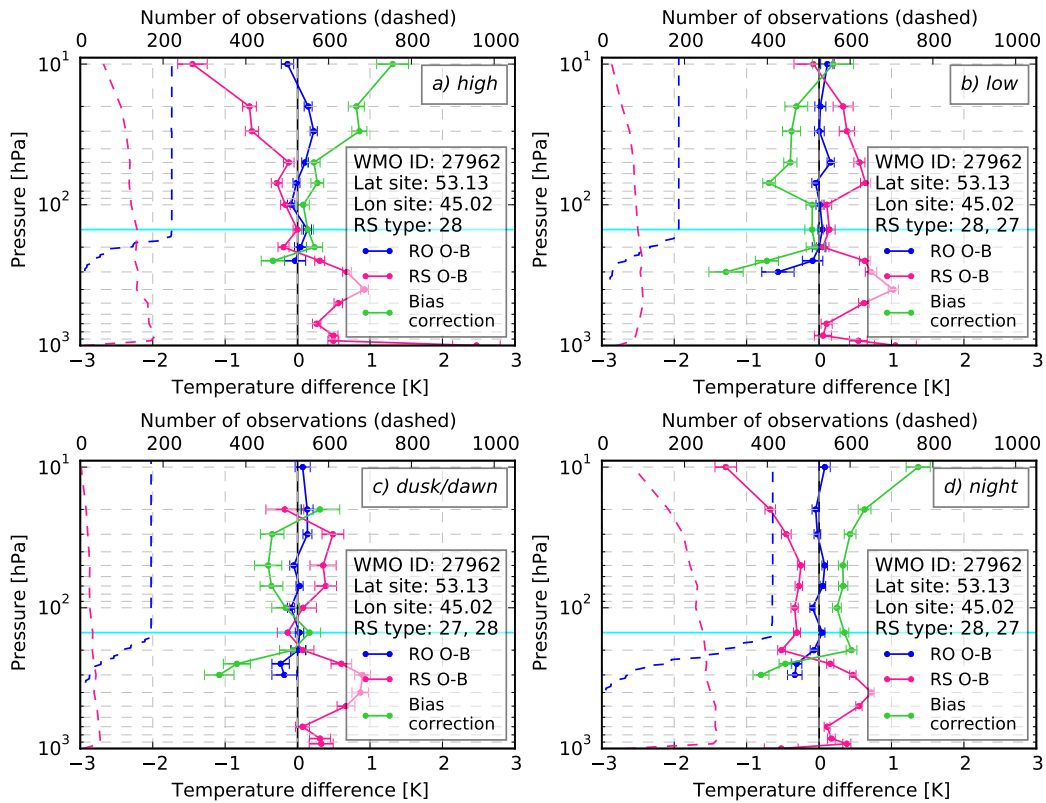
**Figure 1.149:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.150 WMO ID 27730



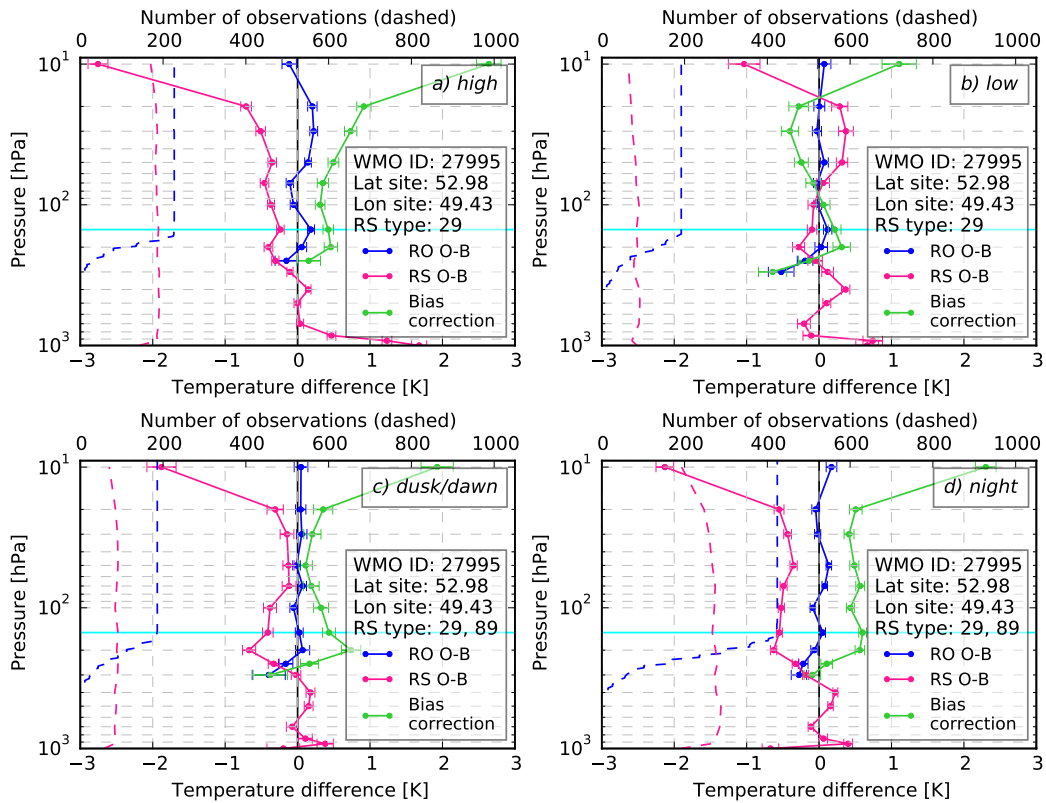
**Figure 1.150:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.151 WMO ID 27962



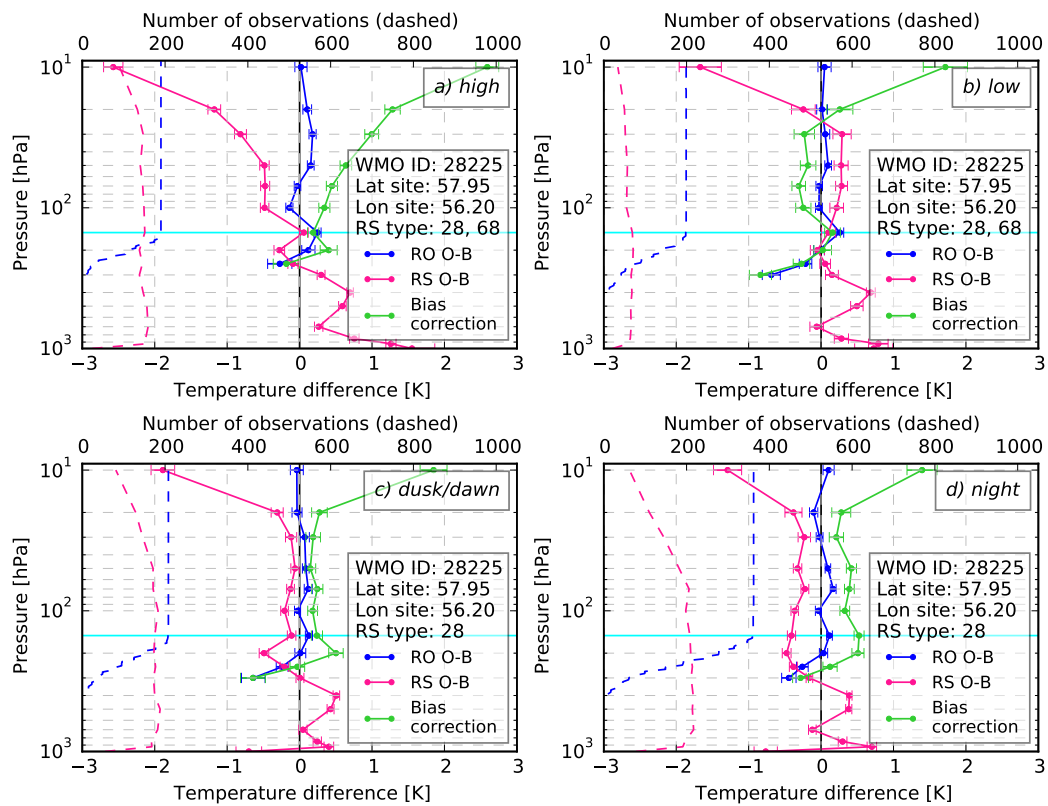
**Figure 1.151:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.152 WMO ID 27995



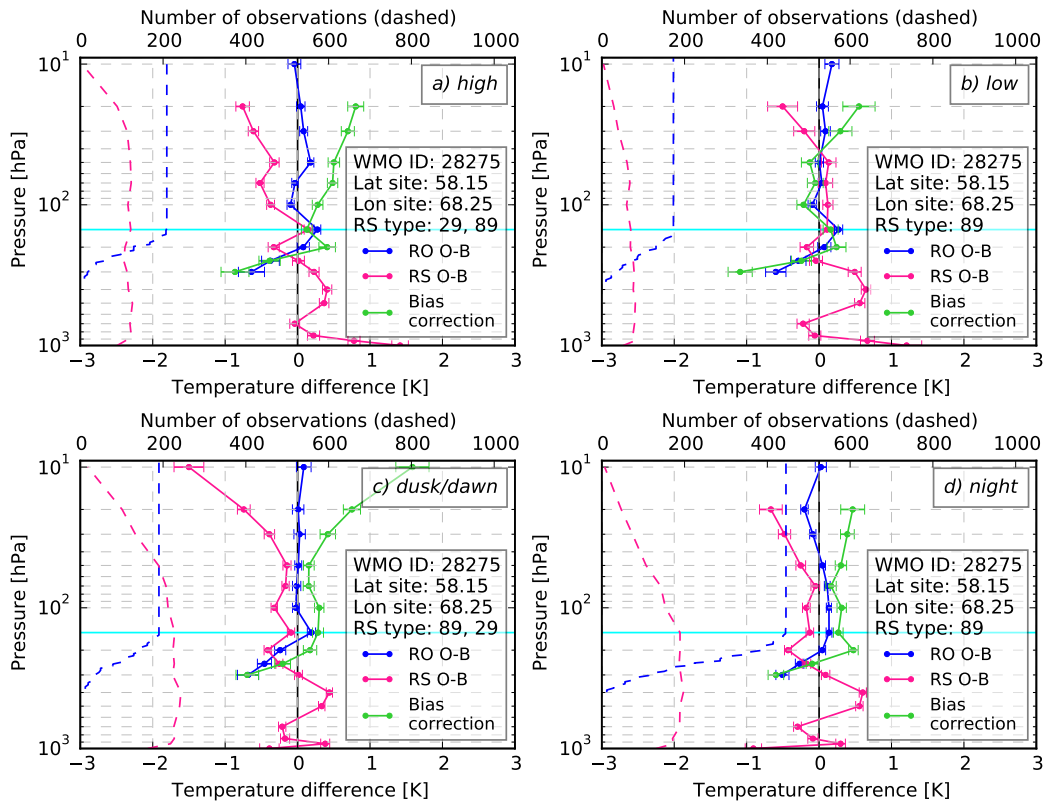
**Figure 1.152:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.153 WMO ID 28225



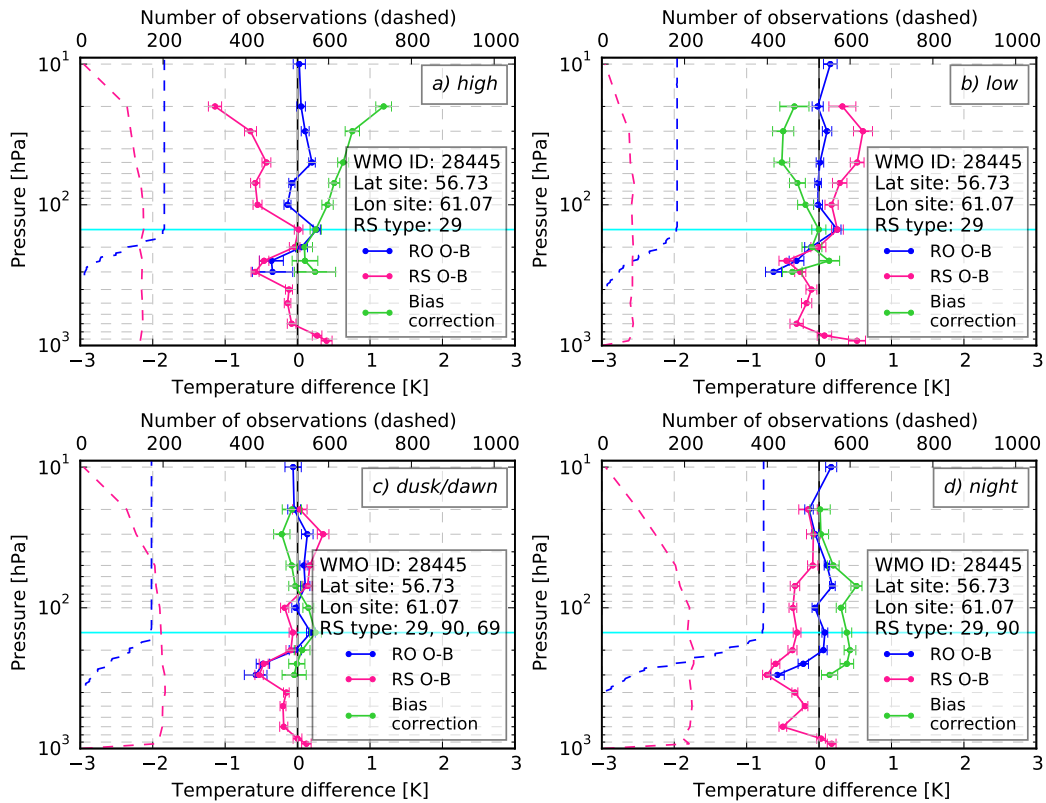
**Figure 1.153:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.154 WMO ID 28275



**Figure 1.154:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

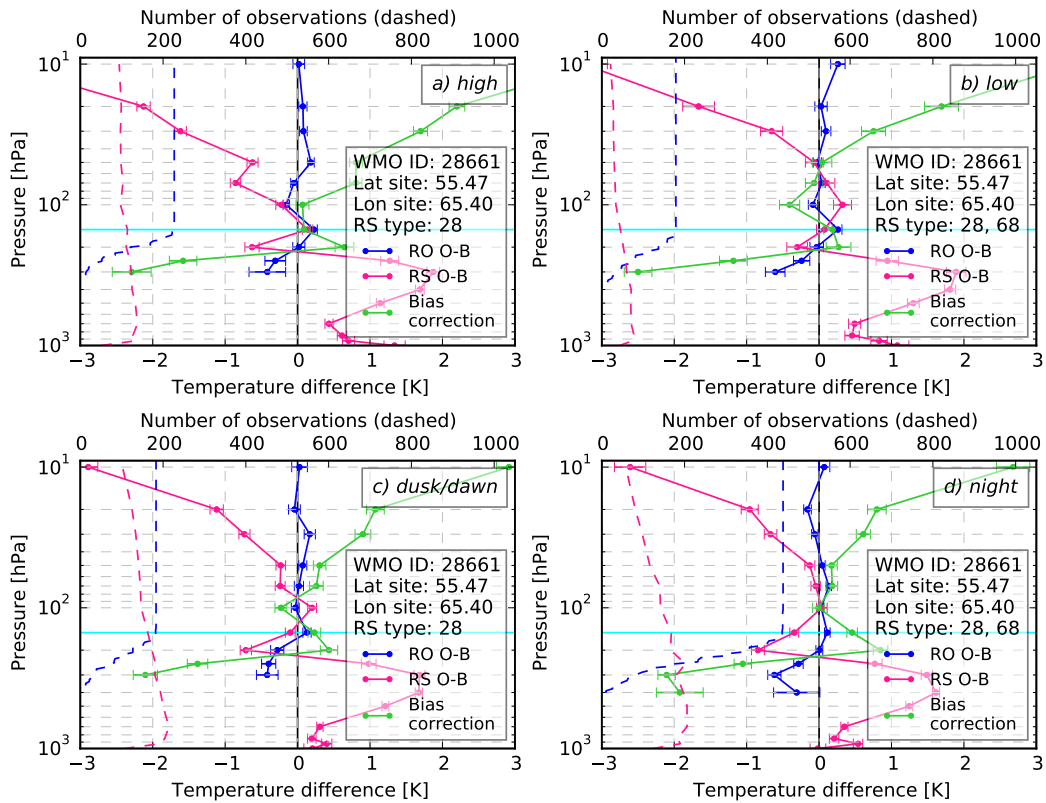
### 1.155 WMO ID 28445



**Figure 1.155:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

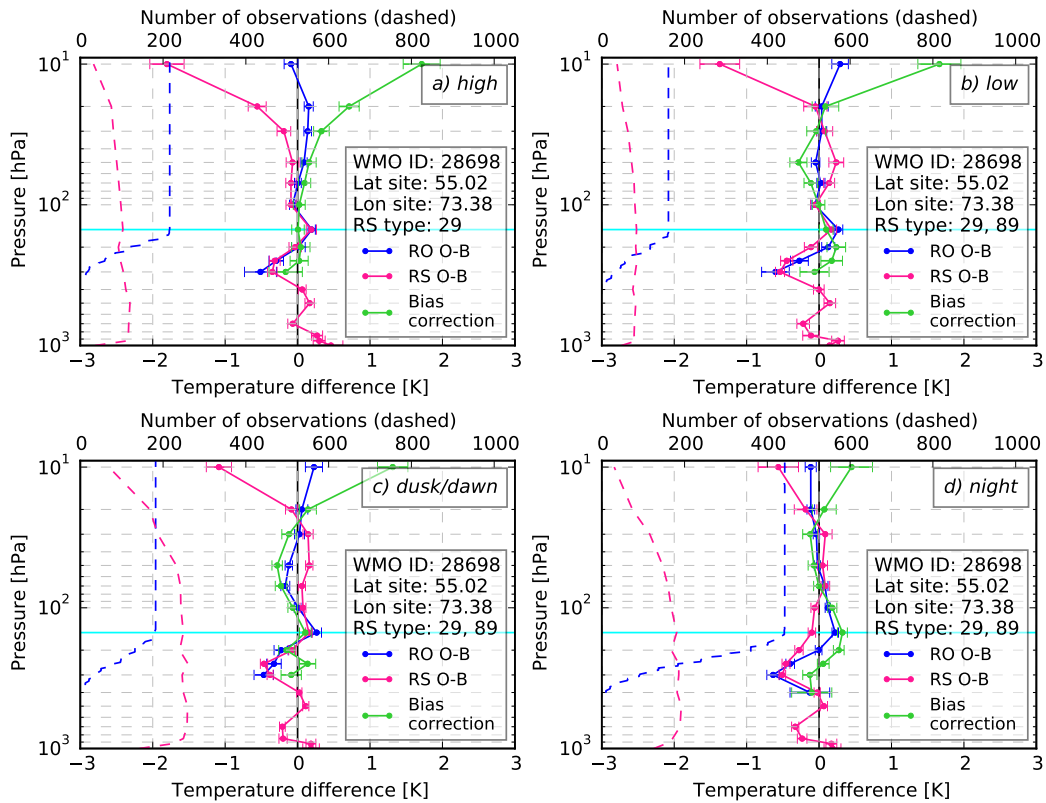


### 1.156 WMO ID 28661



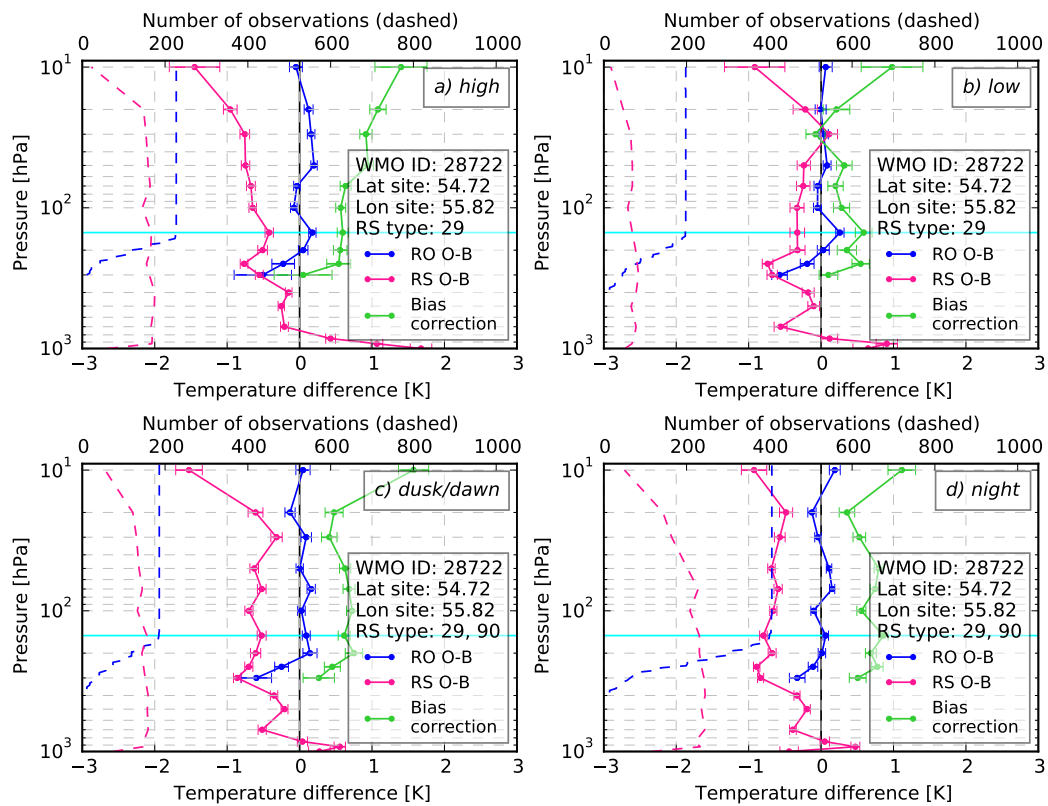
**Figure 1.156:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.157 WMO ID 28698



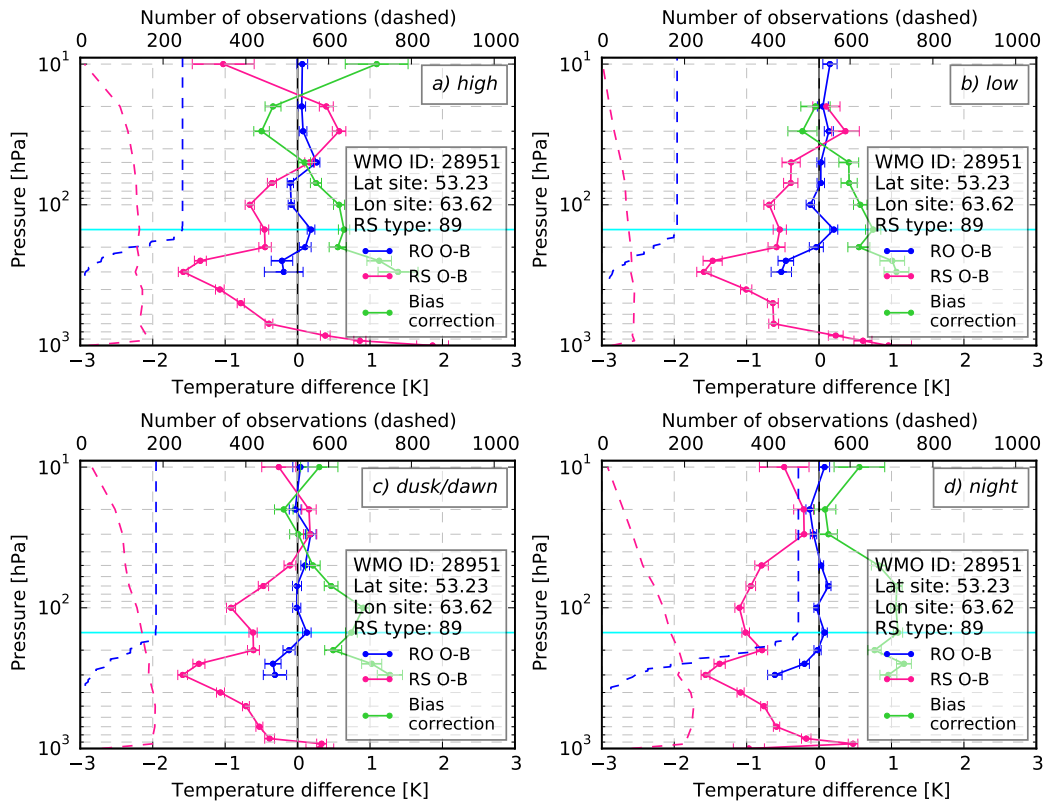
**Figure 1.157:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.158 WMO ID 28722



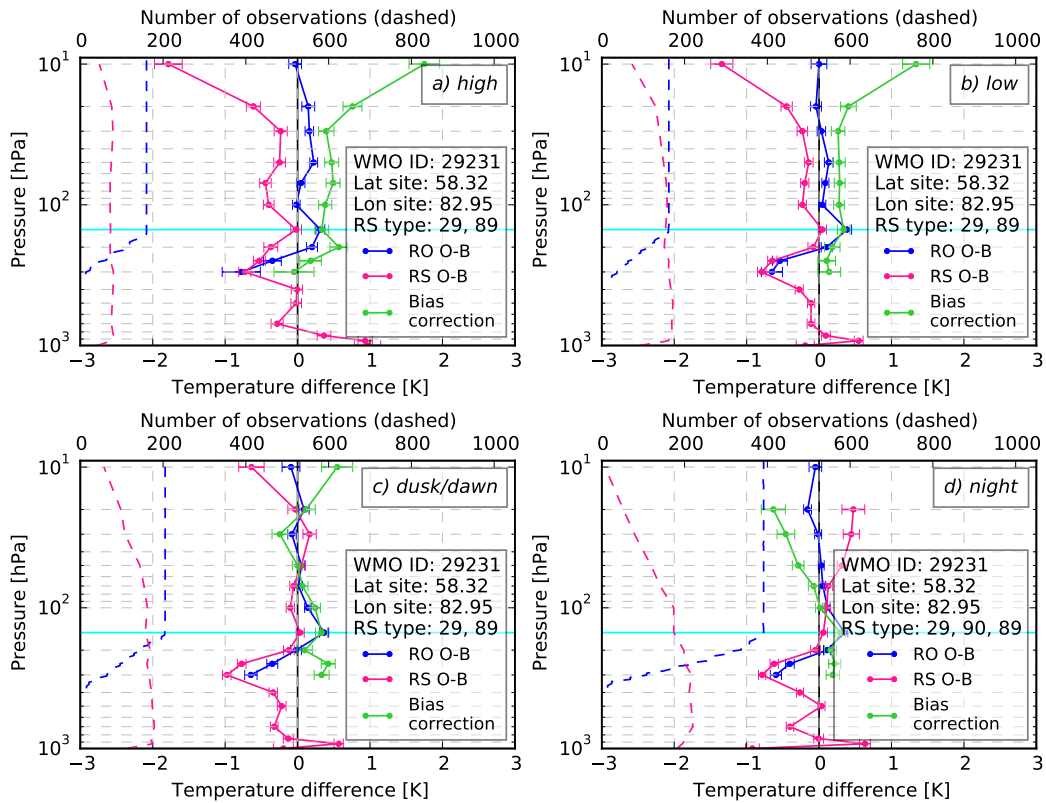
**Figure 1.158:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.159 WMO ID 28951



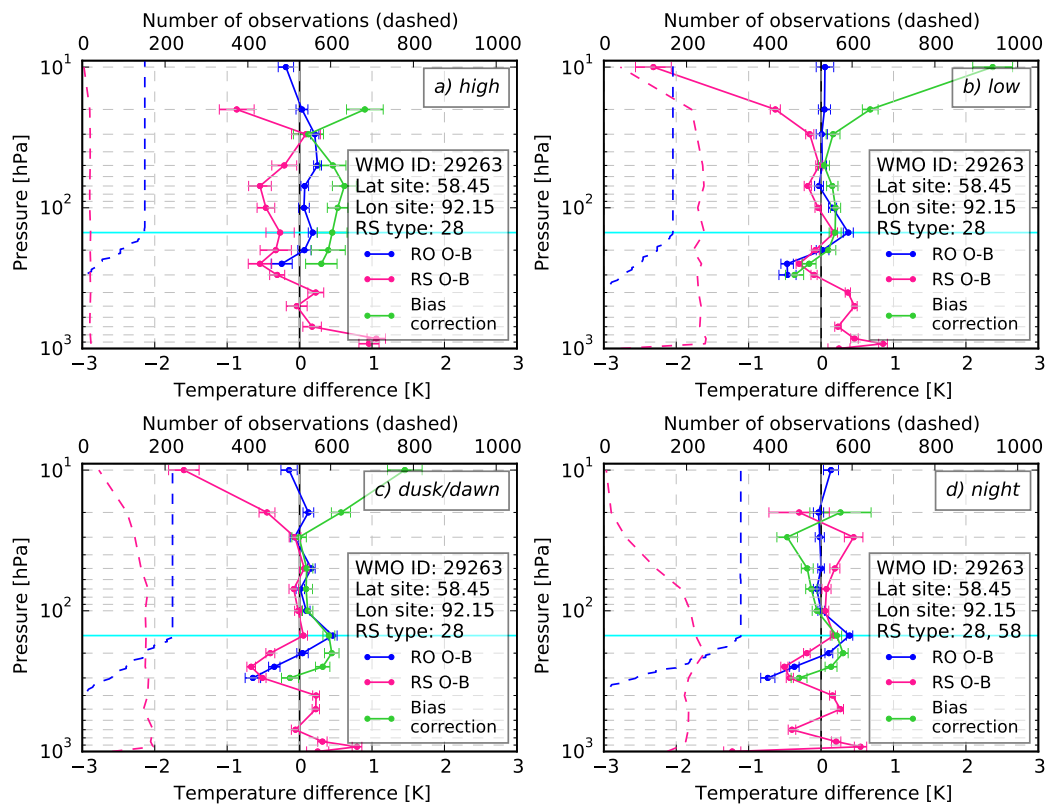
**Figure 1.159:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.160 WMO ID 29231



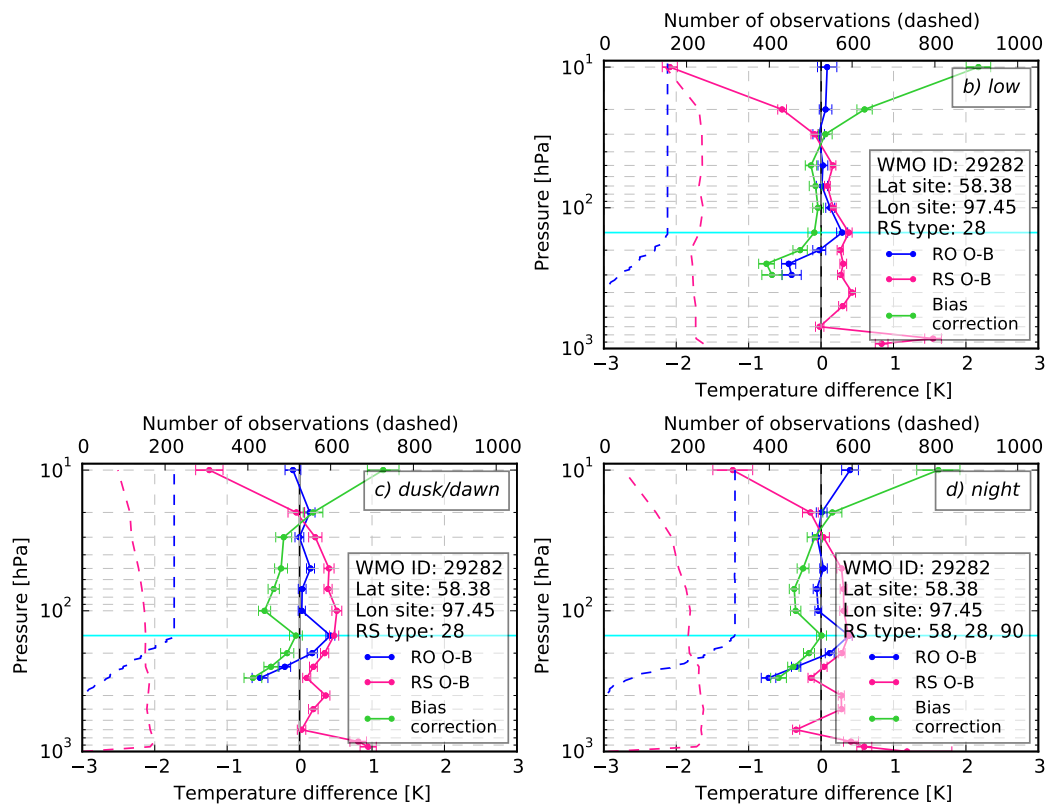
**Figure 1.160:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.161 WMO ID 29263



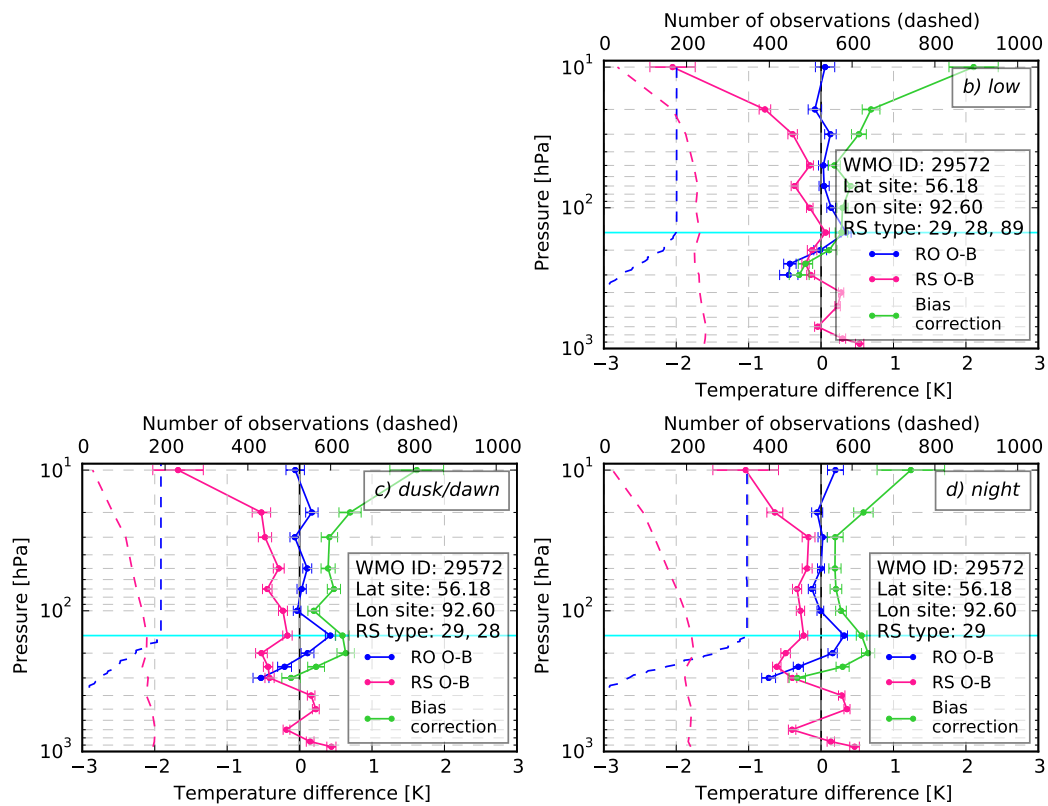
**Figure 1.161:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.162 WMO ID 29282



**Figure 1.162:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

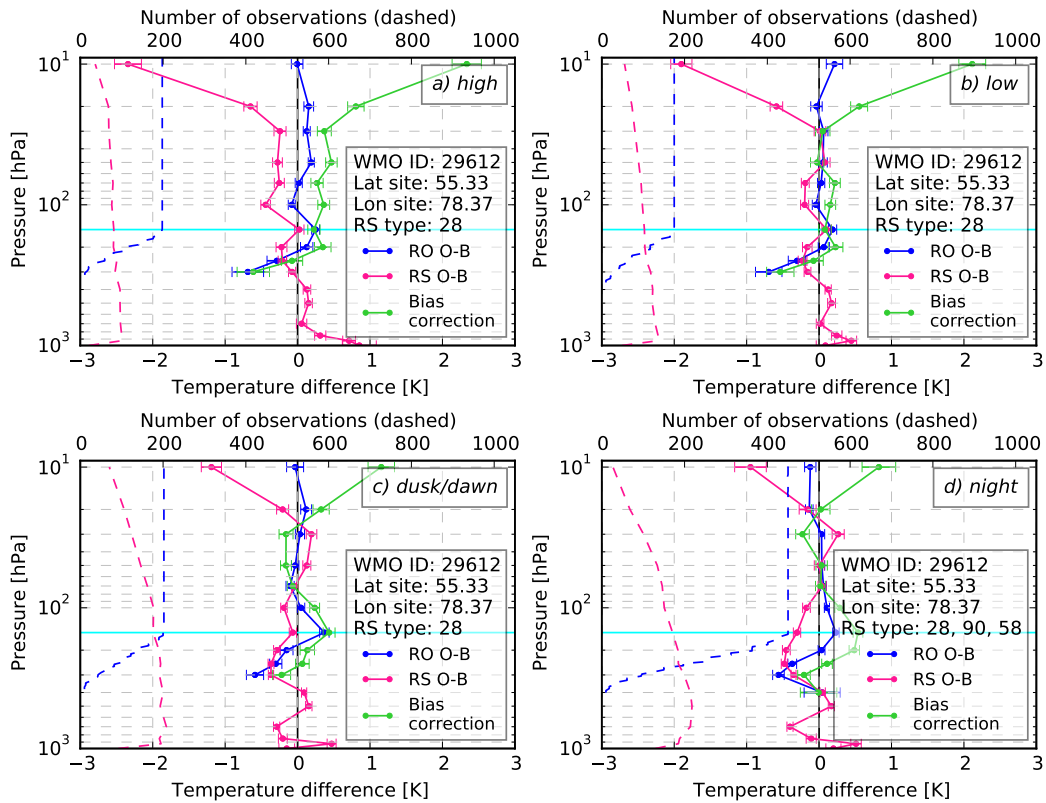
### 1.163 WMO ID 29572



**Figure 1.163:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

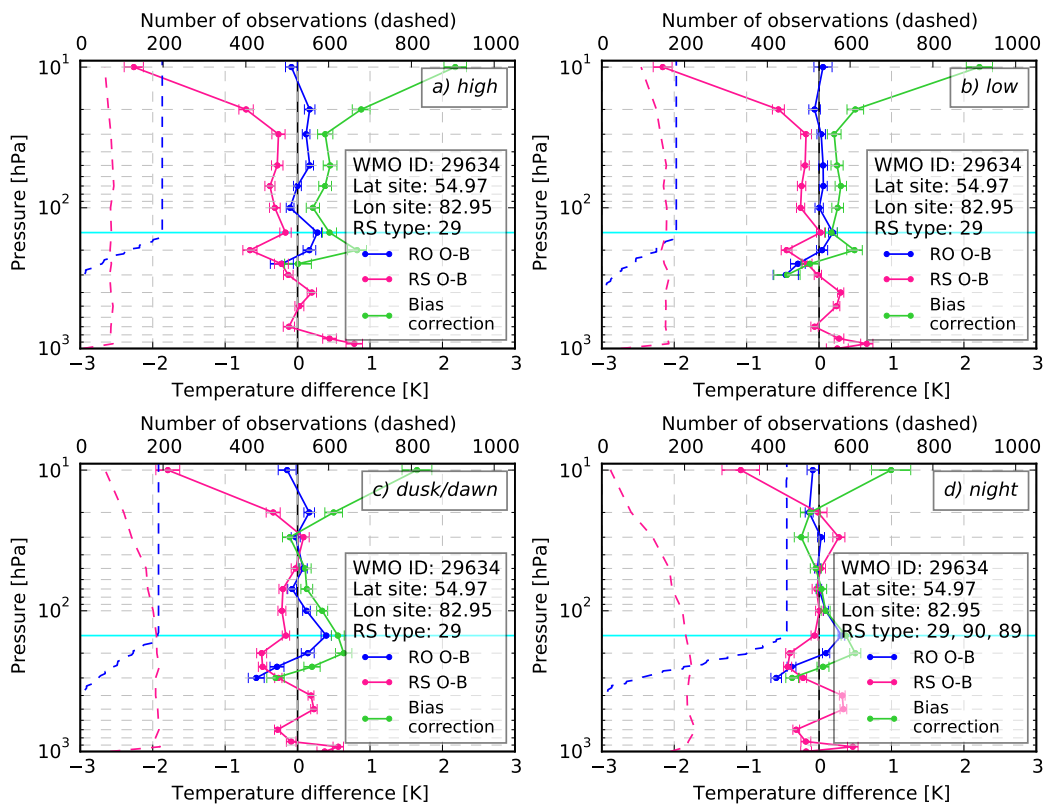


### 1.164 WMO ID 29612



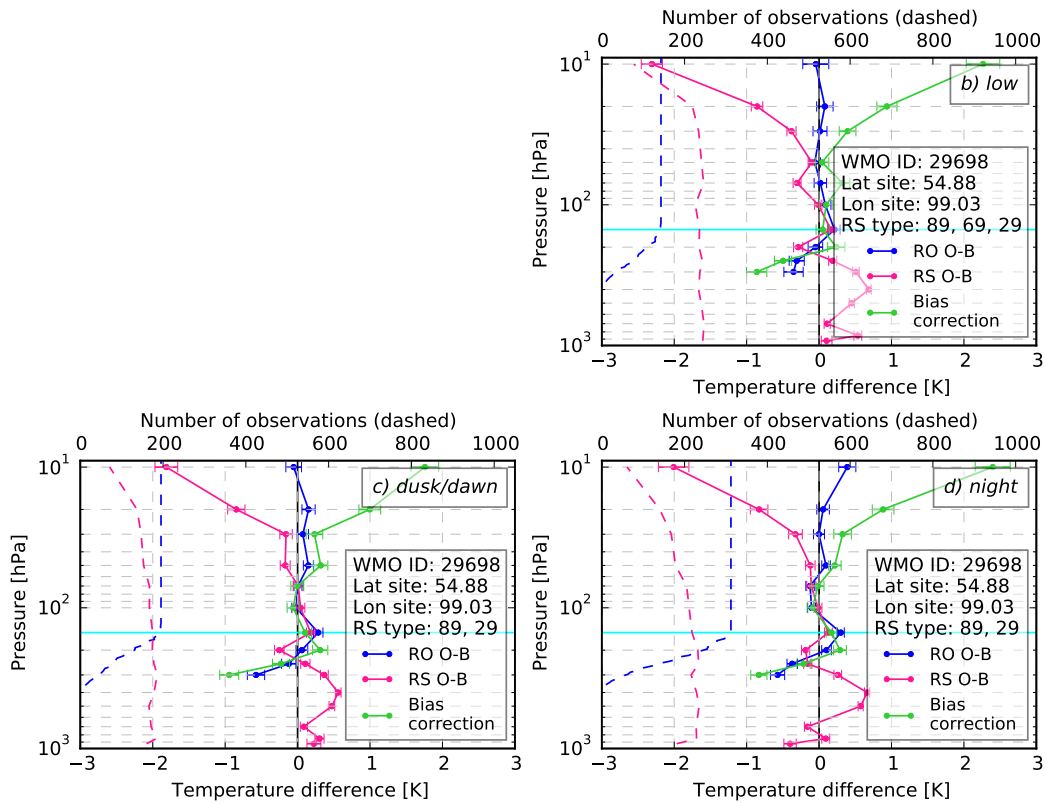
**Figure 1.164:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.165 WMO ID 29634



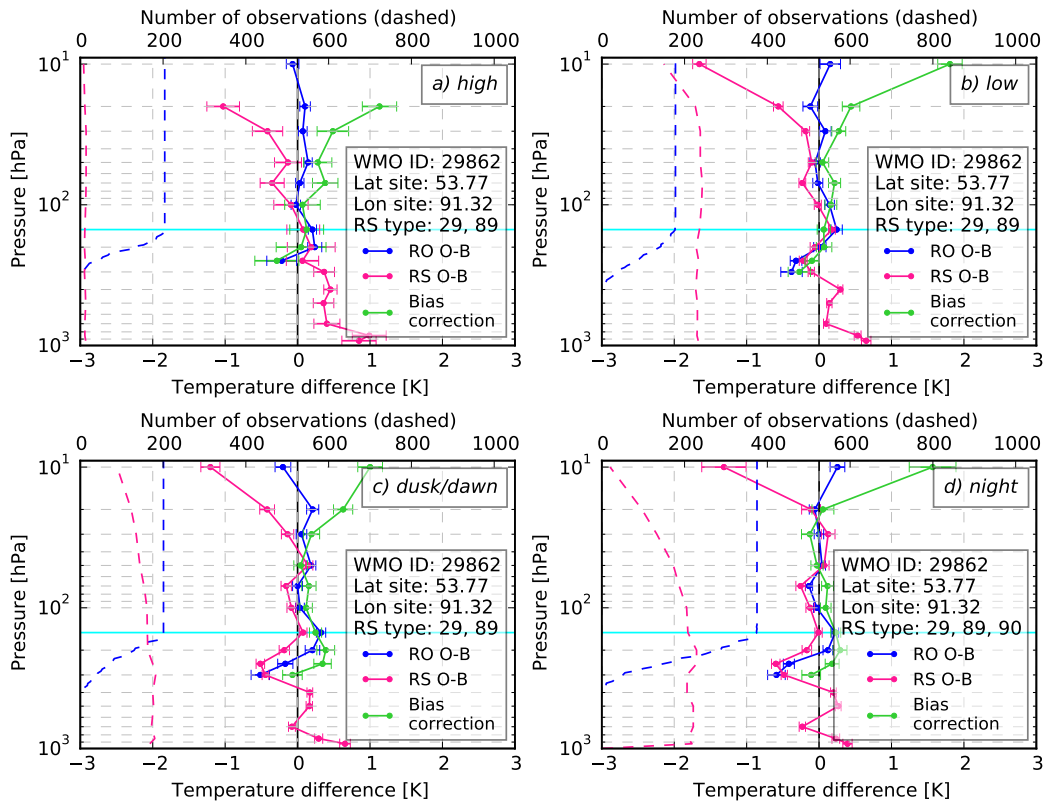
**Figure 1.165:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.166 WMO ID 29698



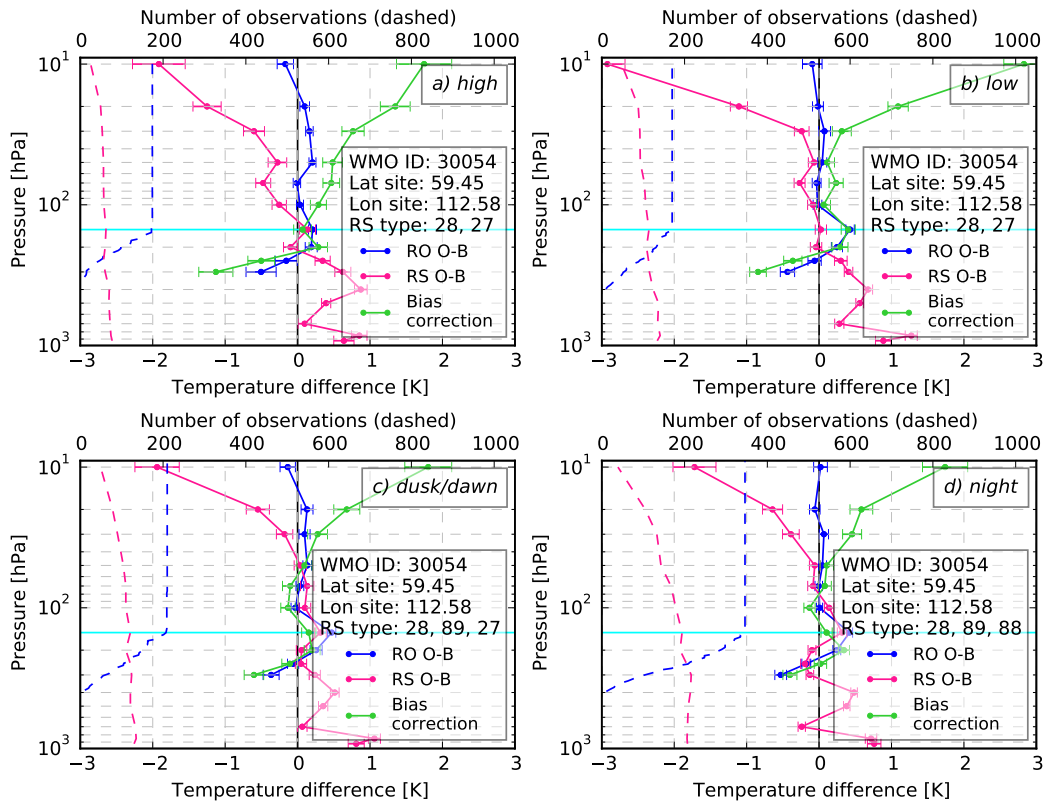
**Figure 1.166:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.167 WMO ID 29862



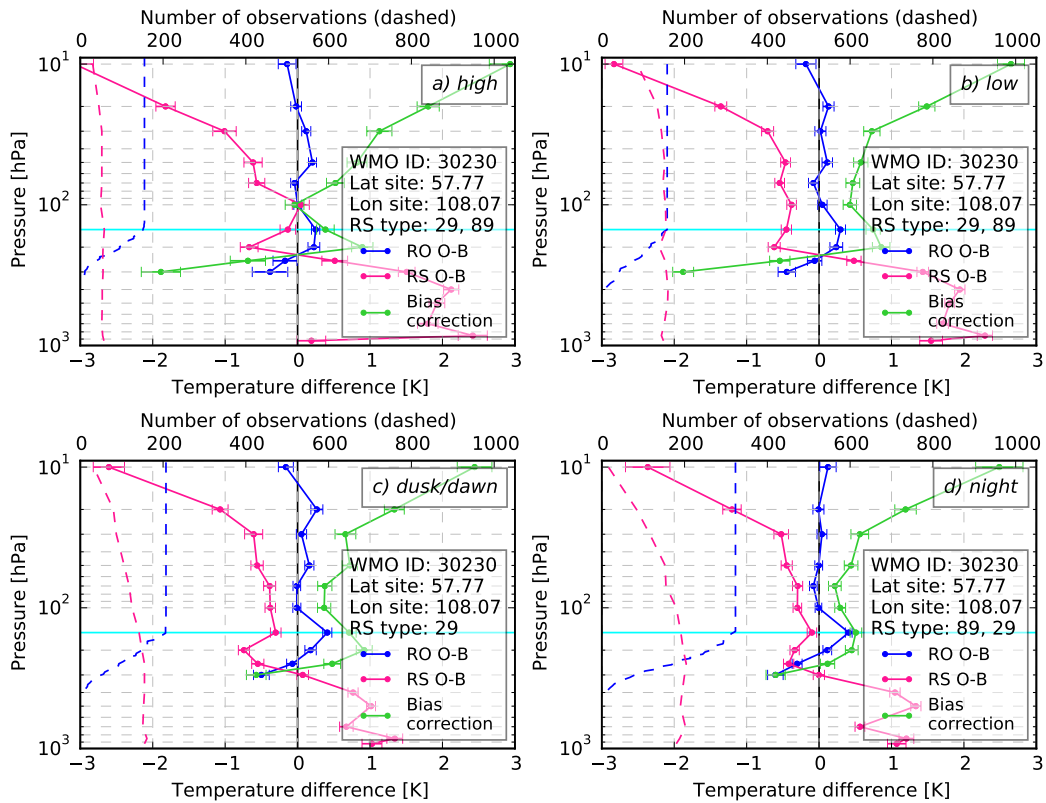
**Figure 1.167:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.168 WMO ID 30054



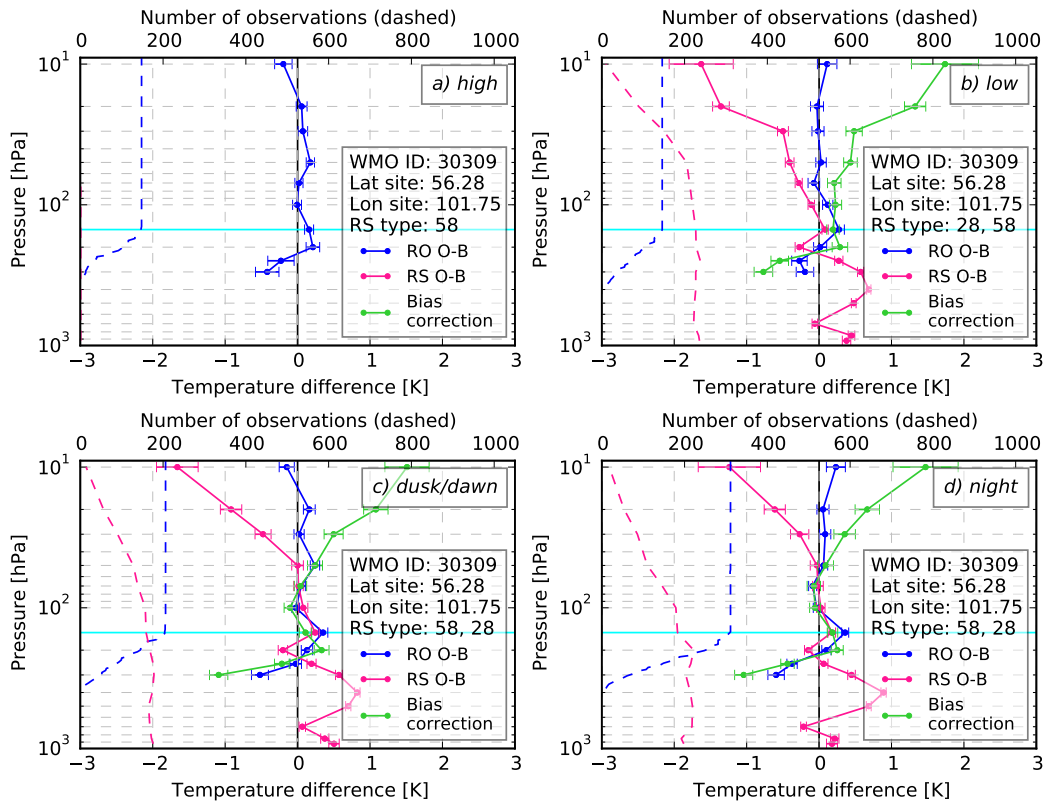
**Figure 1.168:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.169 WMO ID 30230



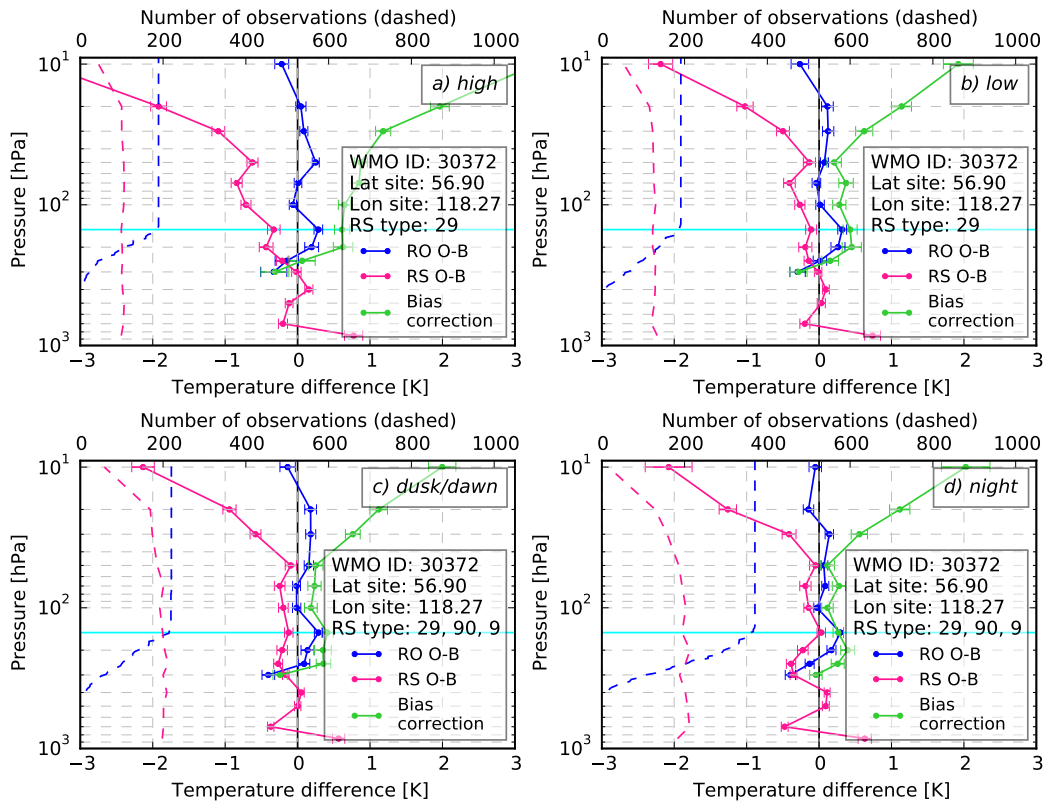
**Figure 1.169:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.170 WMO ID 30309



**Figure 1.170:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

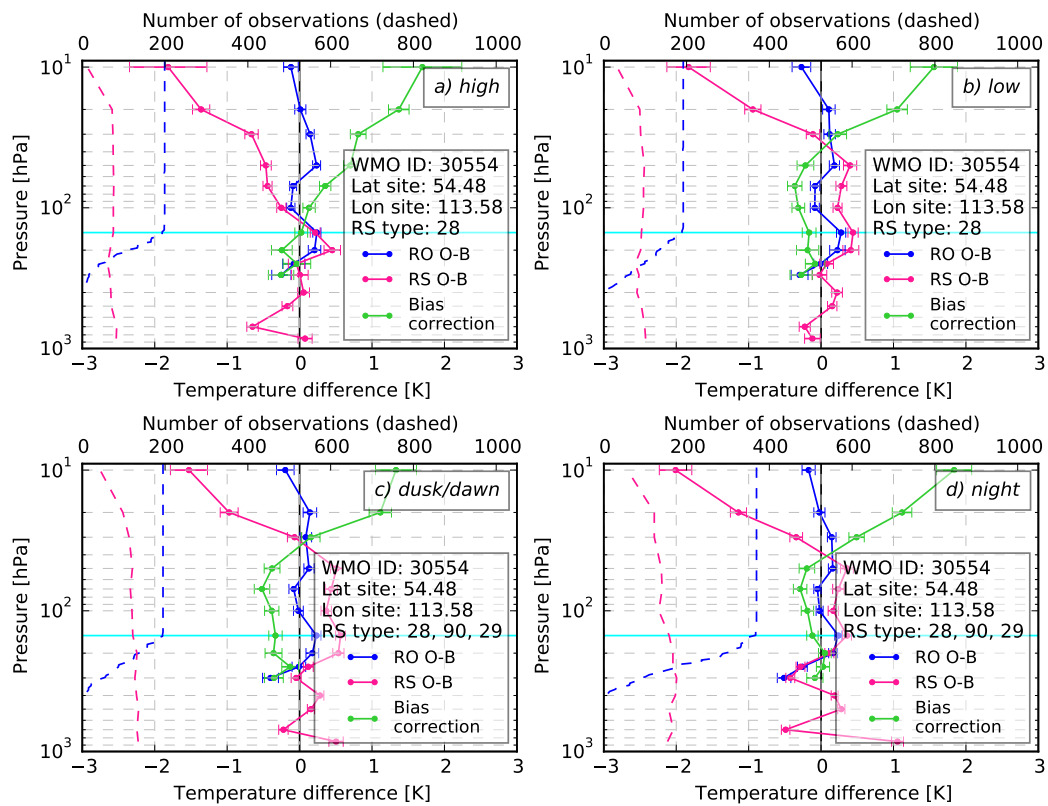
### 1.171 WMO ID 30372



**Figure 1.171:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

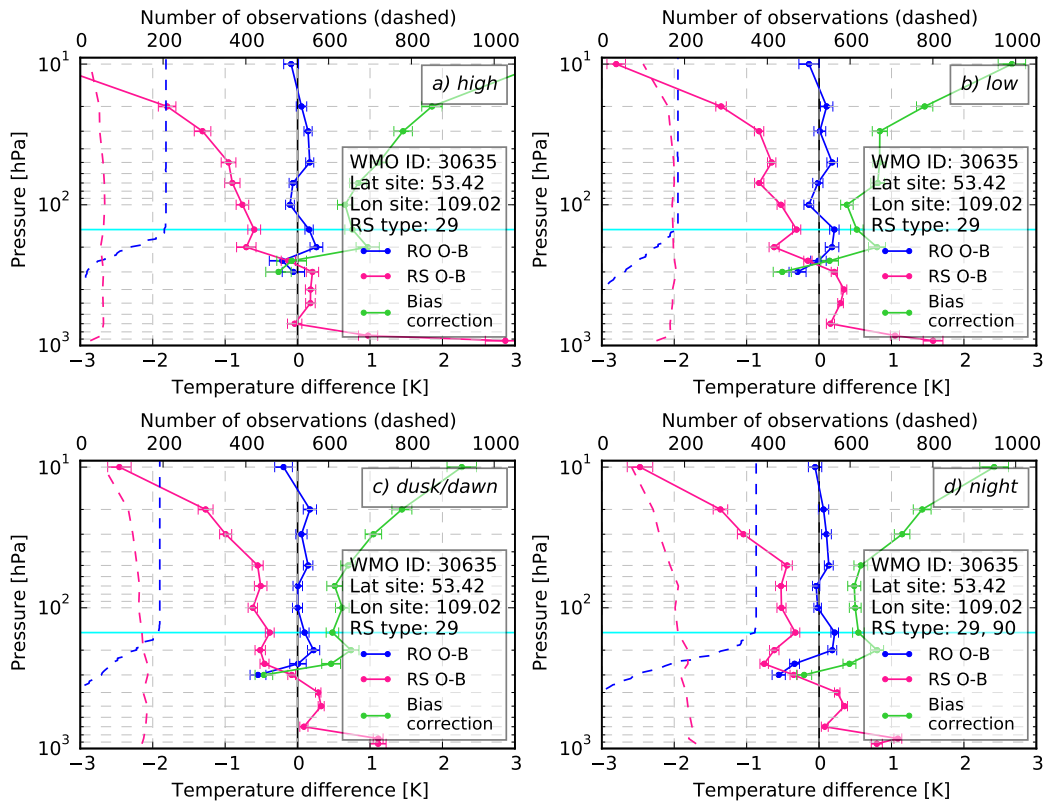


### 1.172 WMO ID 30554



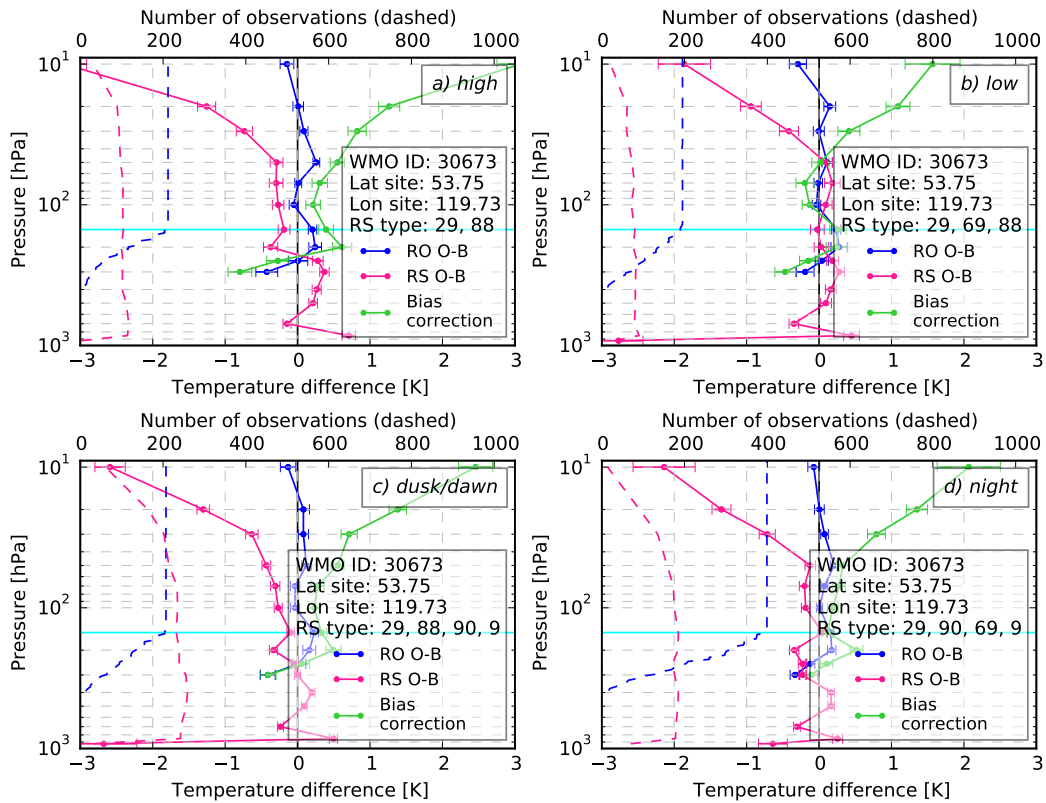
**Figure 1.172:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.173 WMO ID 30635



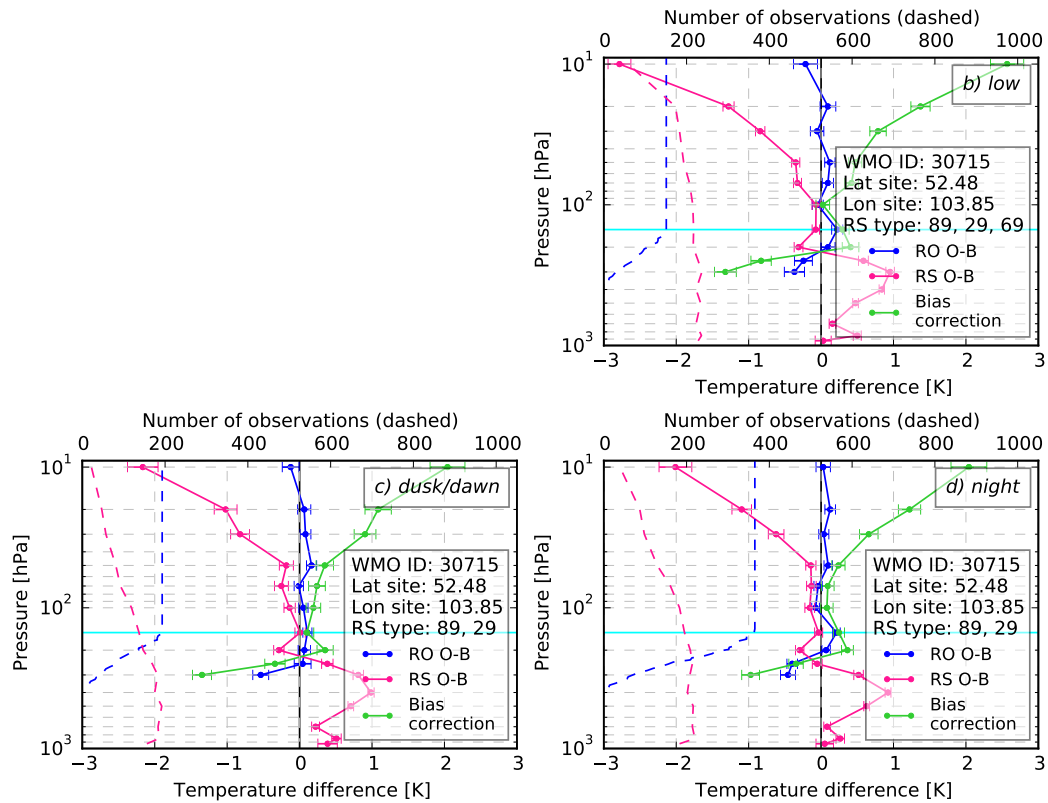
**Figure 1.173:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.174 WMO ID 30673



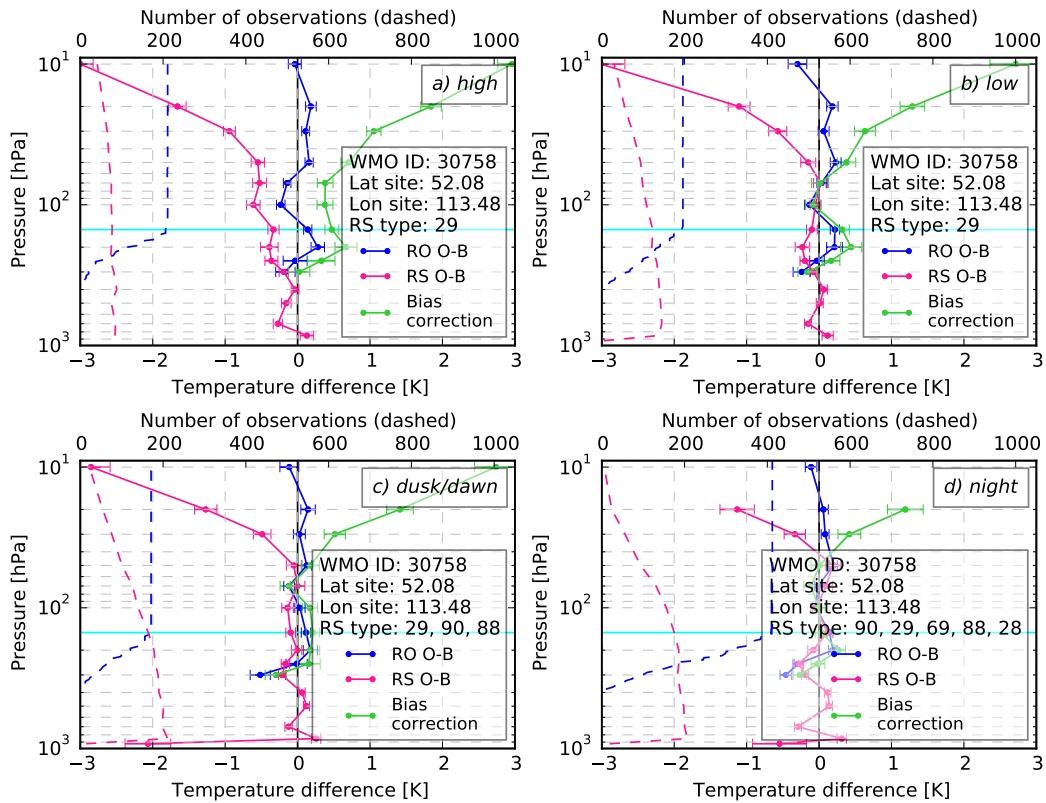
**Figure 1.174:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.175 WMO ID 30715



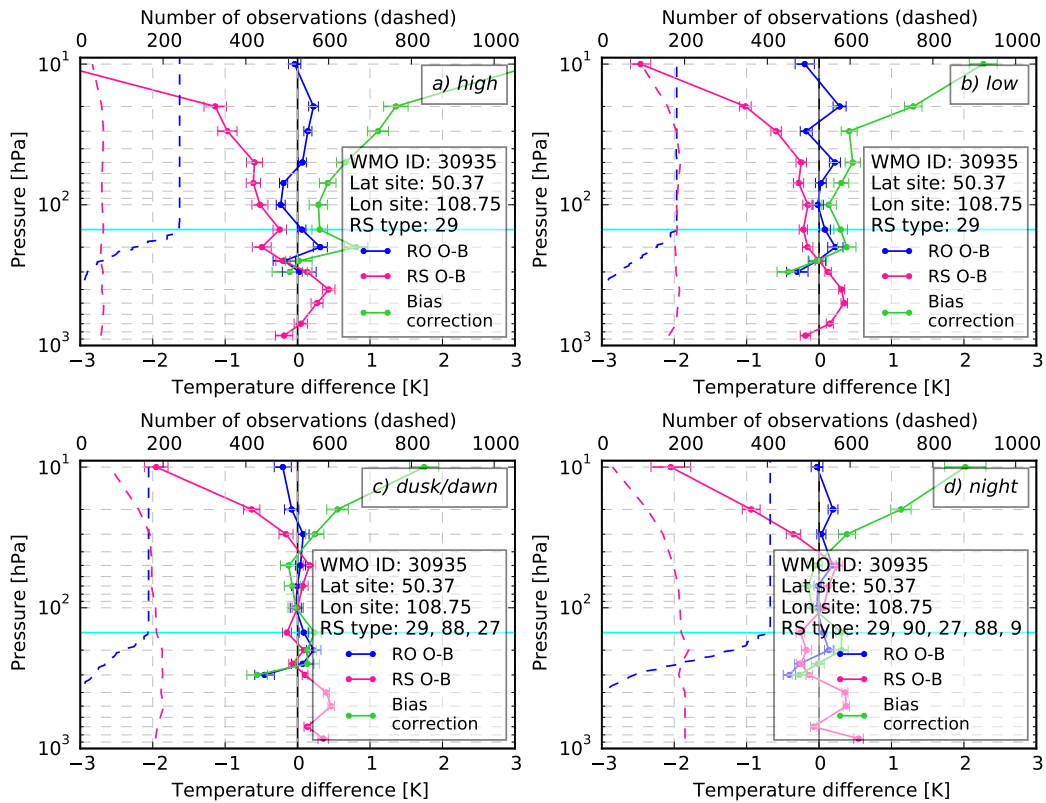
**Figure 1.175:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.176 WMO ID 30758



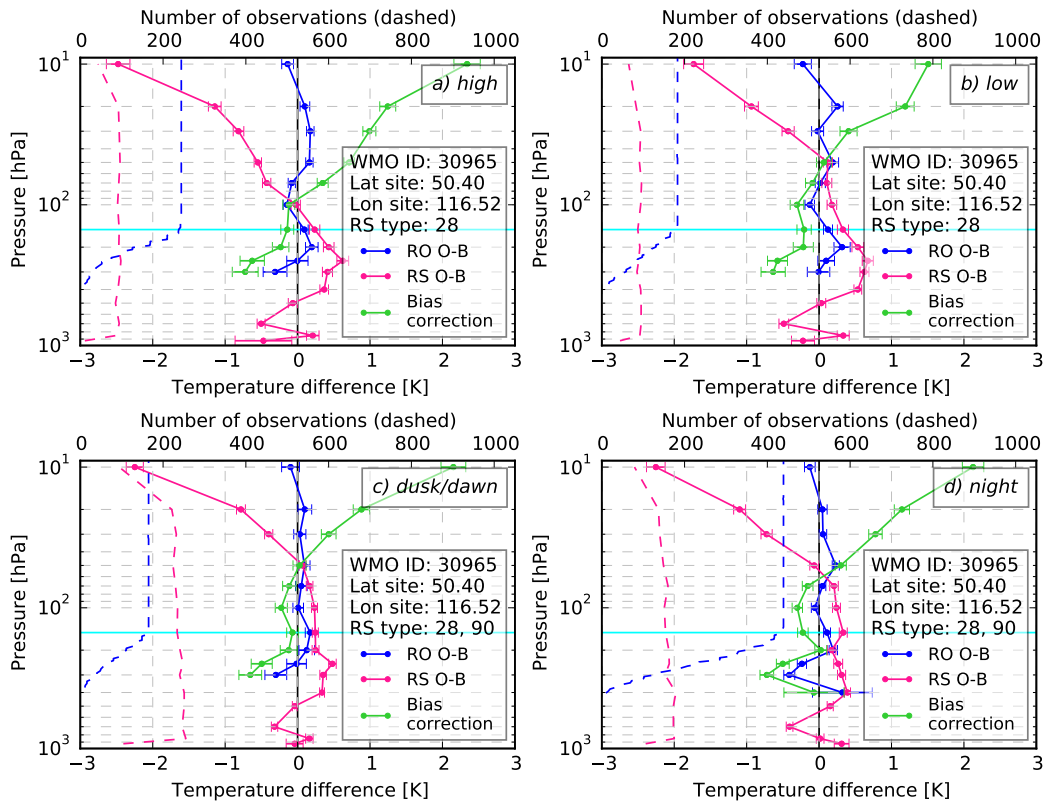
**Figure 1.176:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.177 WMO ID 30935



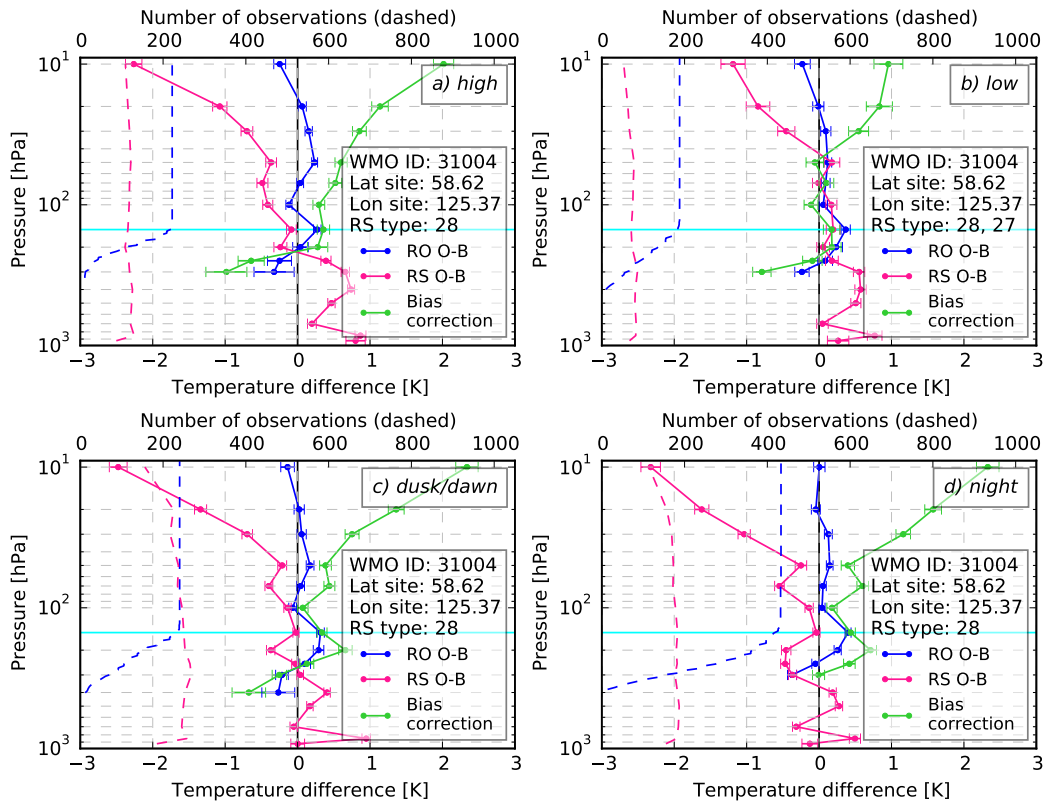
**Figure 1.177:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.178 WMO ID 30965



**Figure 1.178:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

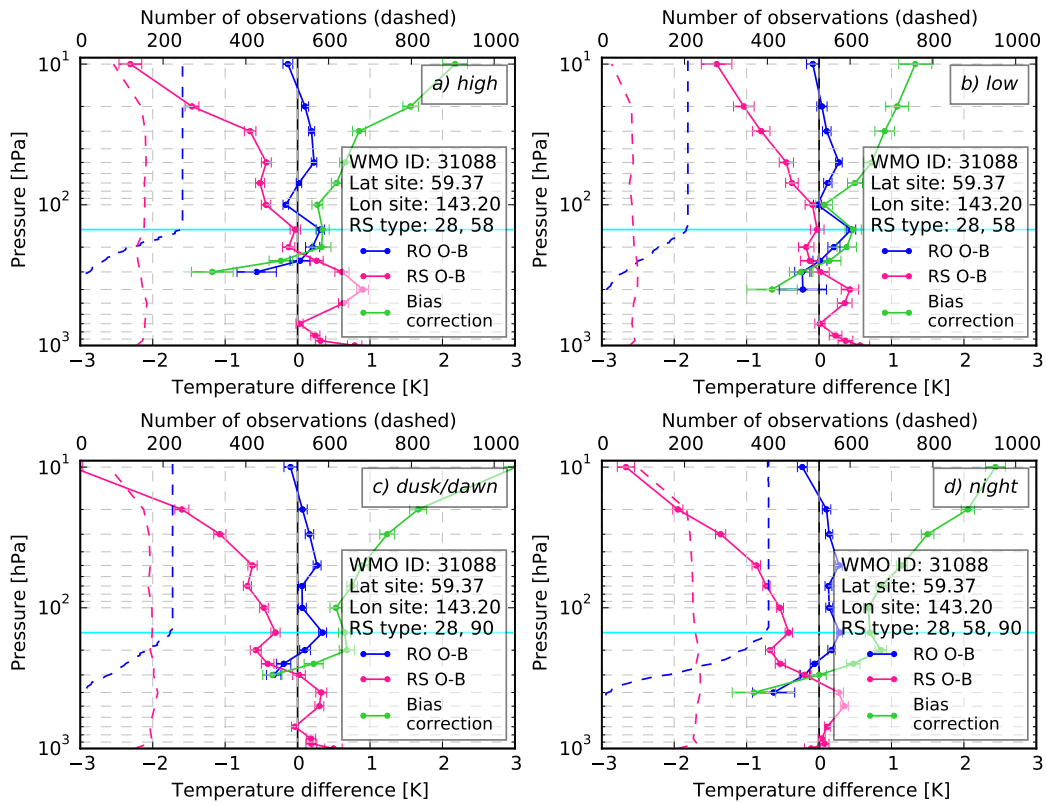
### 1.179 WMO ID 31004



**Figure 1.179:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

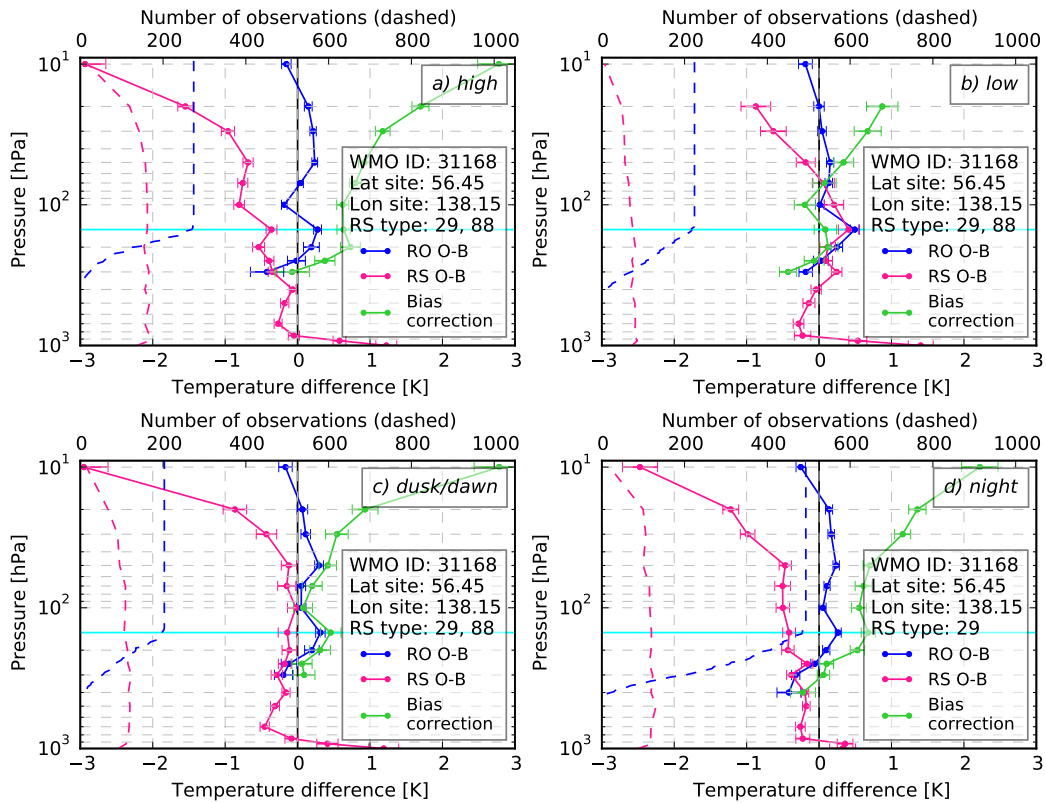


### 1.180 WMO ID 31088



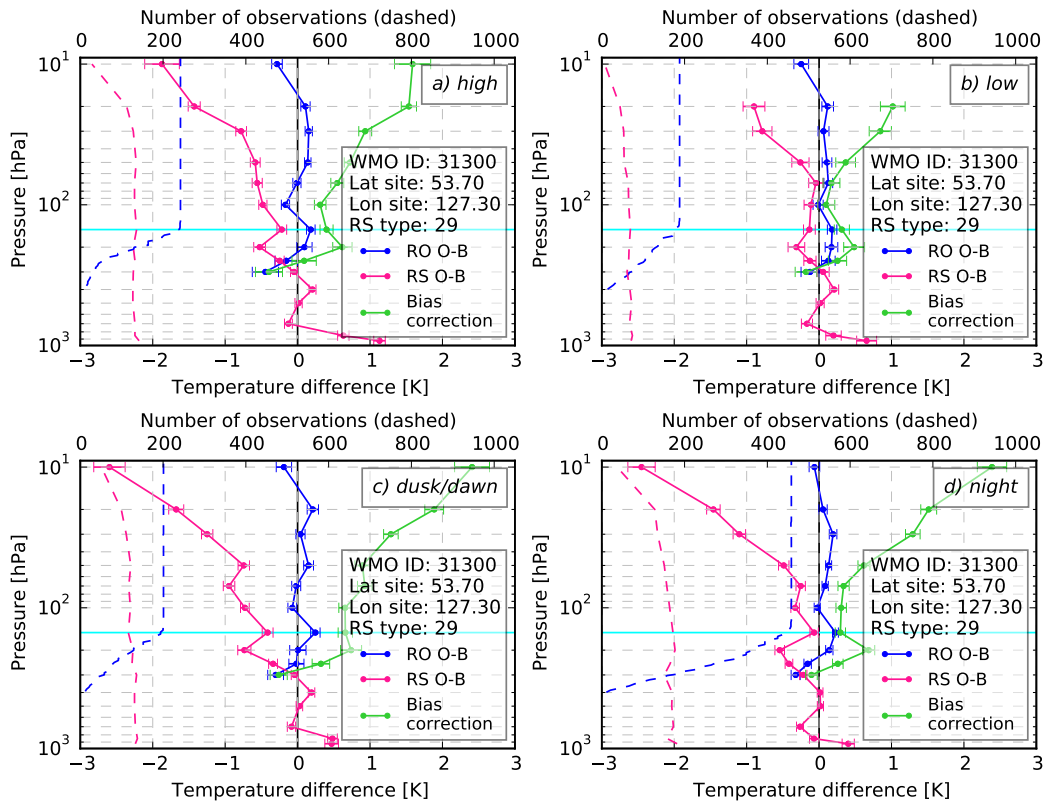
**Figure 1.180:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.181 WMO ID 31168



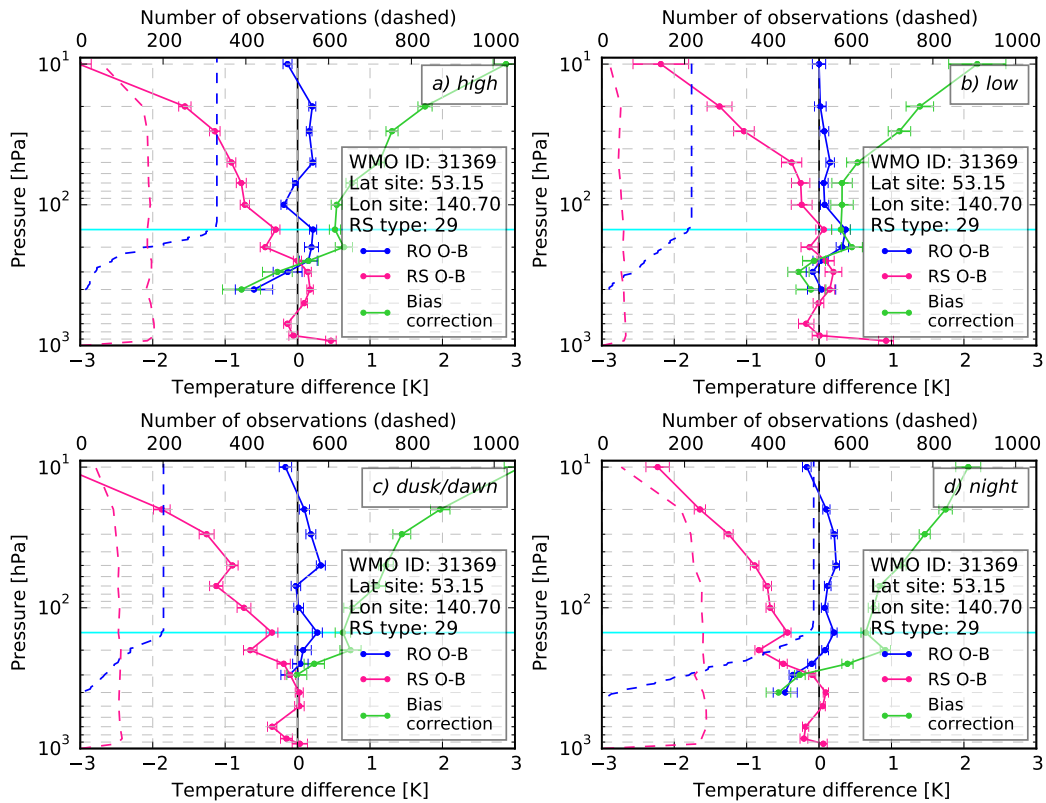
**Figure 1.181:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.182 WMO ID 31300



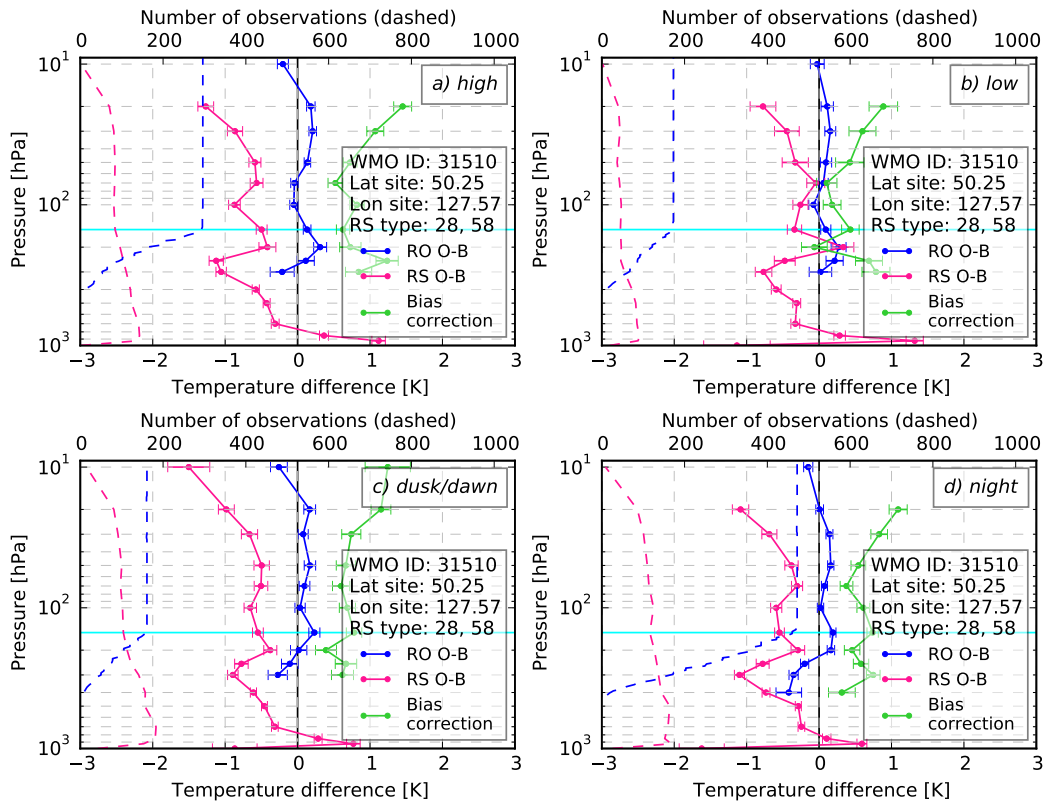
**Figure 1.182:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.183 WMO ID 31369



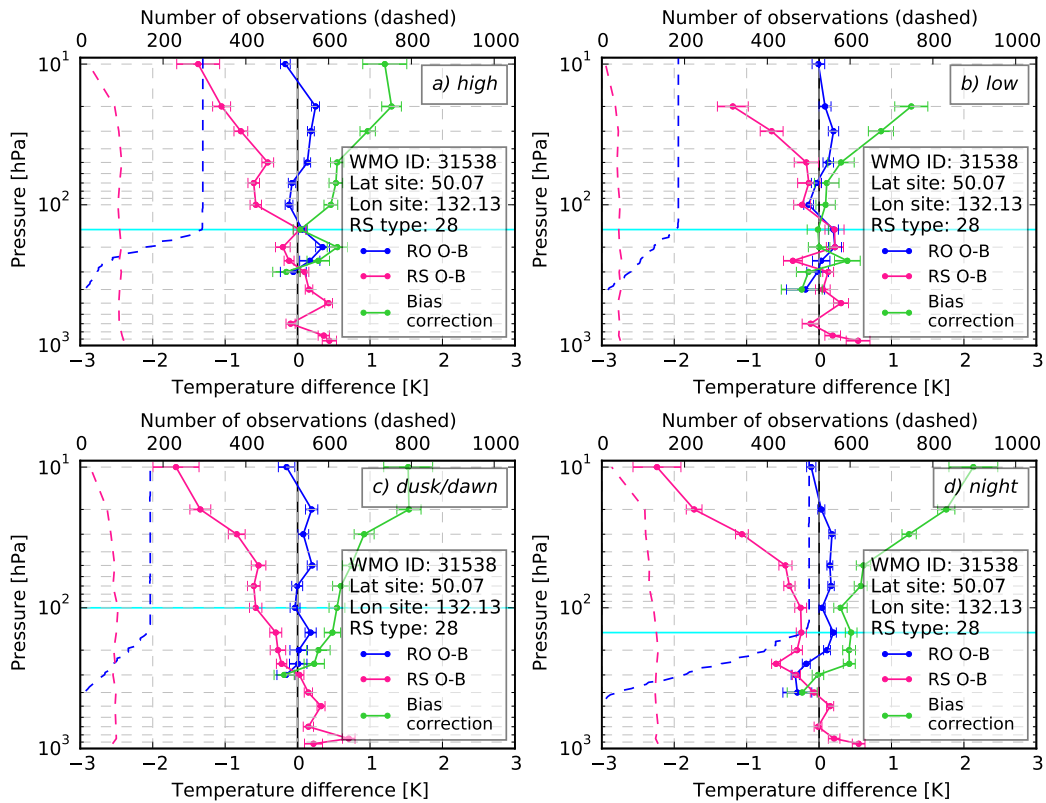
**Figure 1.183:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.184 WMO ID 31510



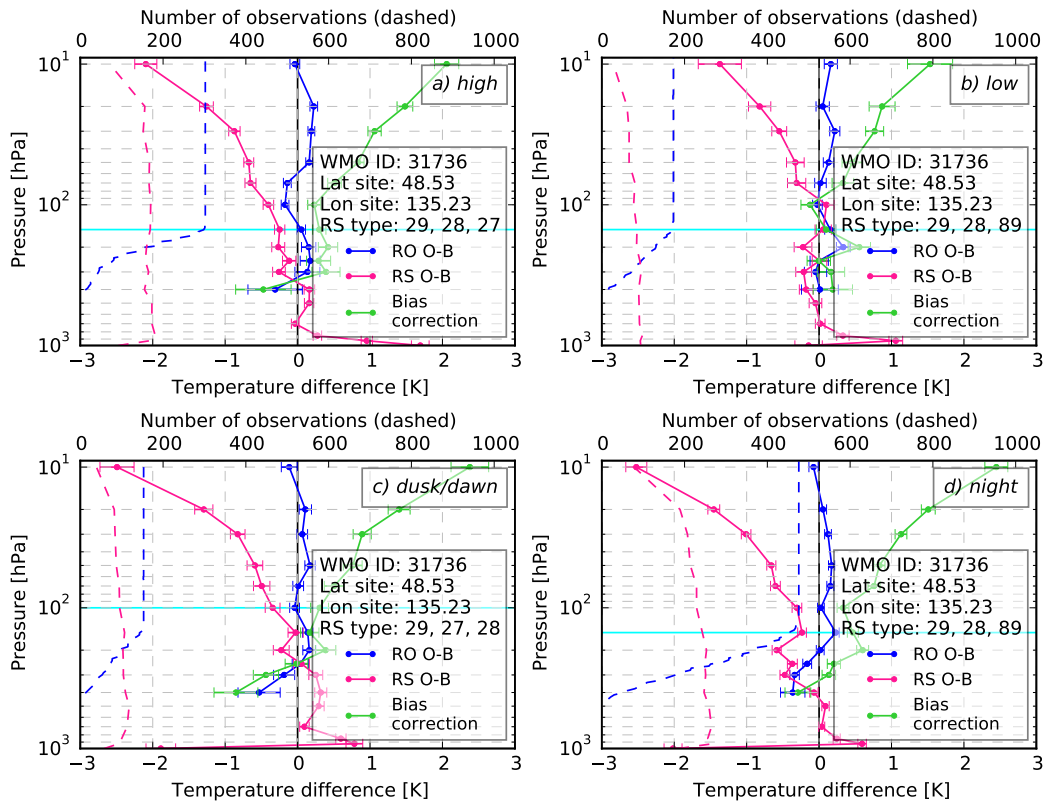
**Figure 1.184:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.185 WMO ID 31538



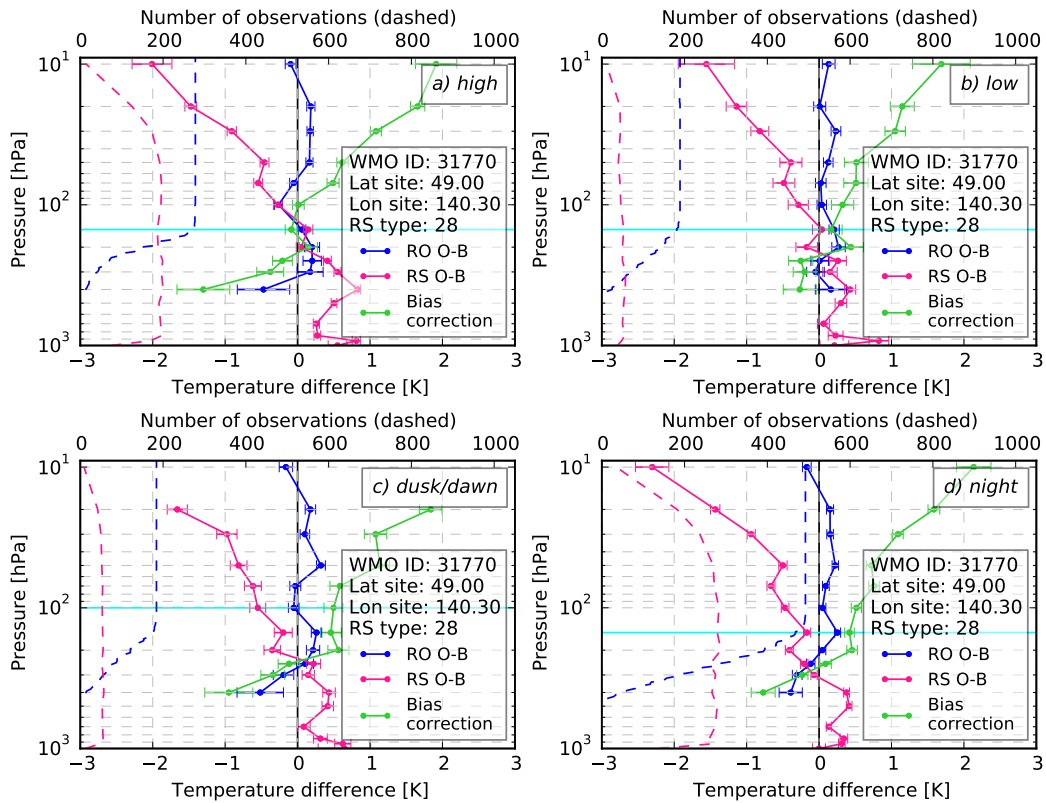
**Figure 1.185:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.186 WMO ID 31736



**Figure 1.186:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

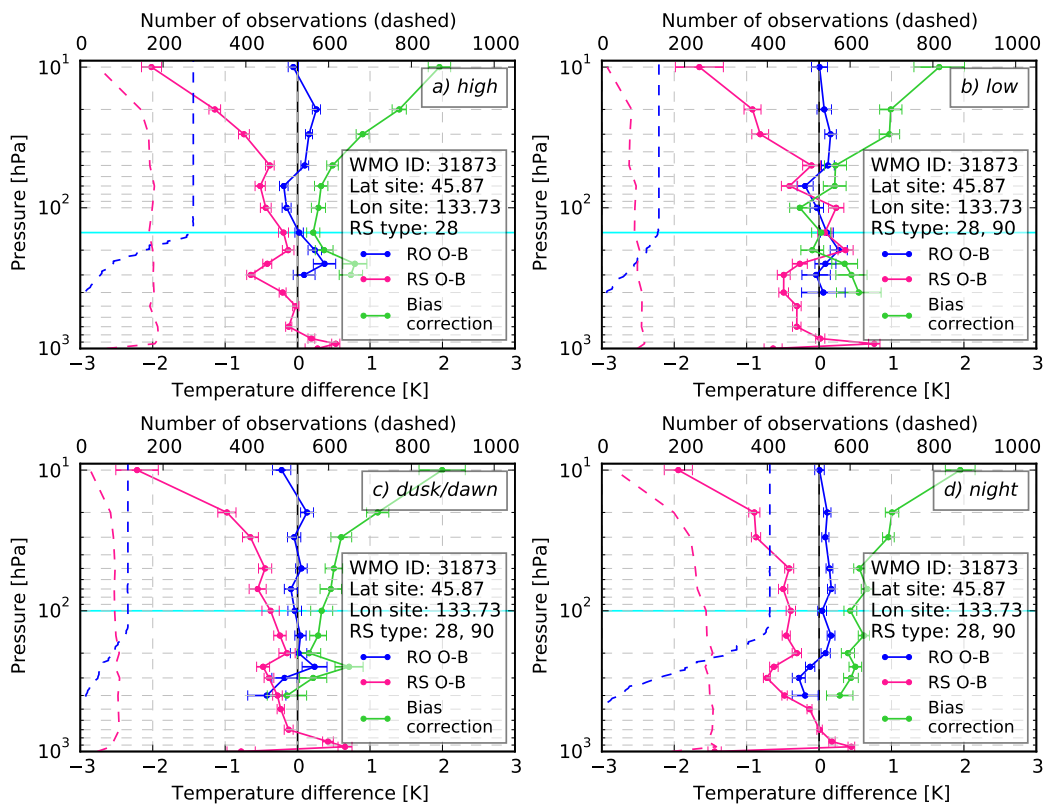
### 1.187 WMO ID 31770



**Figure 1.187:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

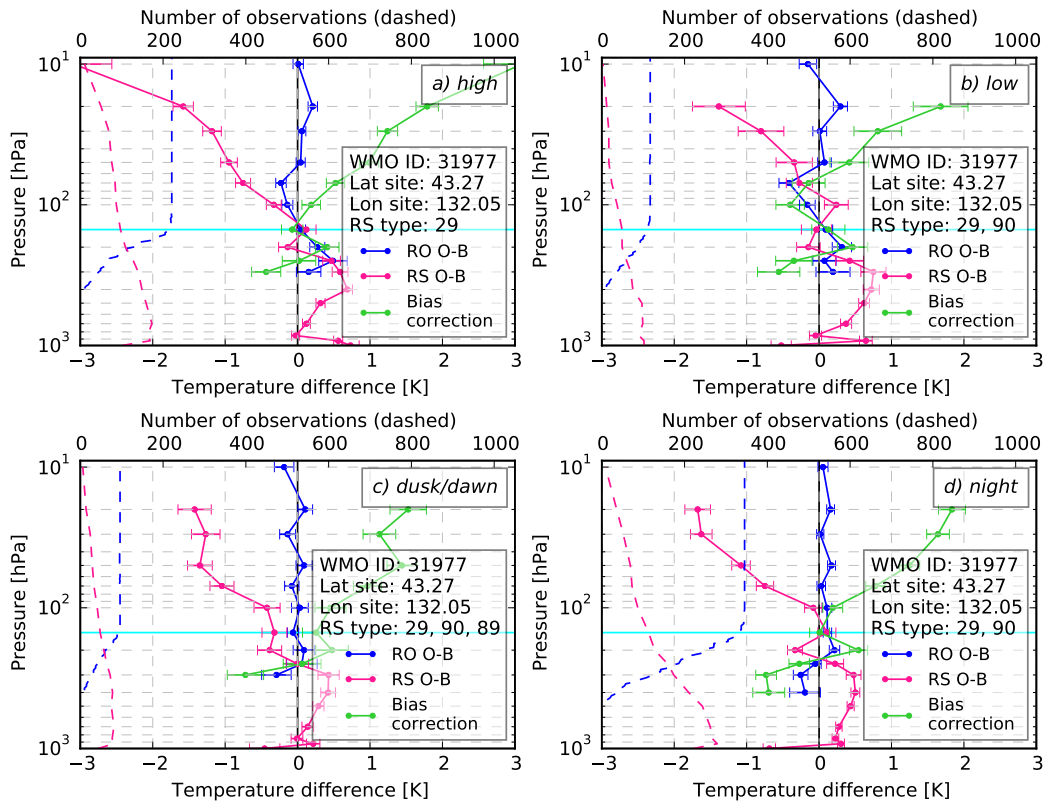


### 1.188 WMO ID 31873



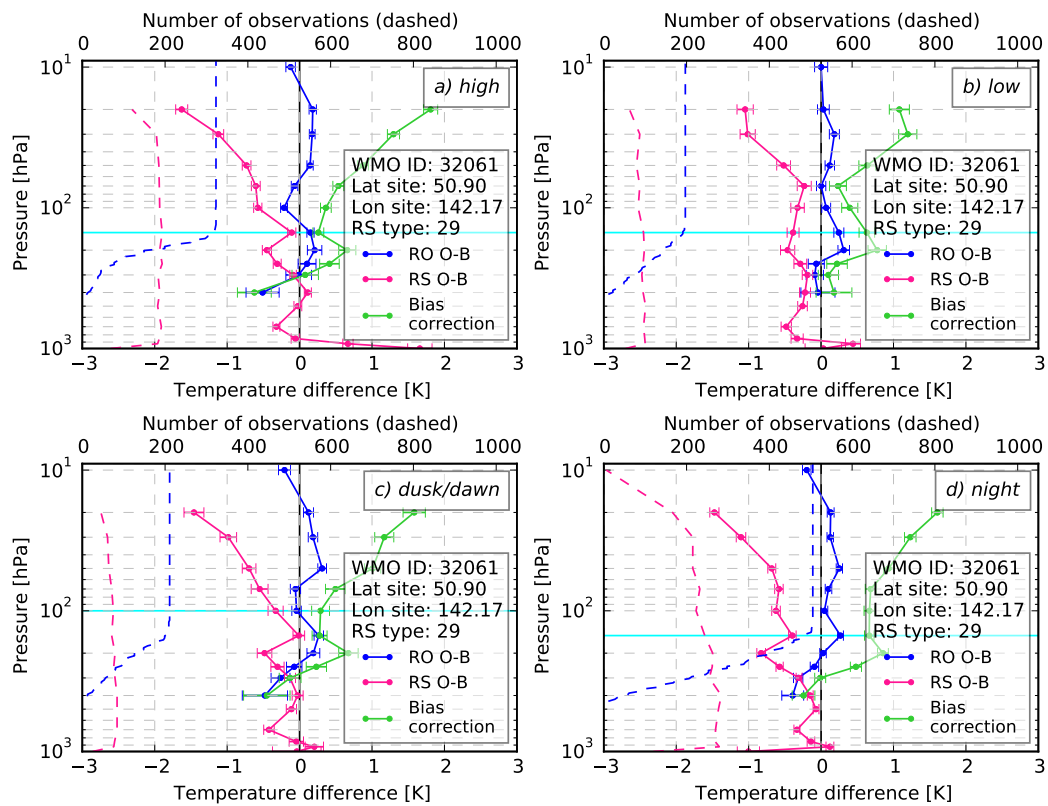
**Figure 1.188:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.189 WMO ID 31977



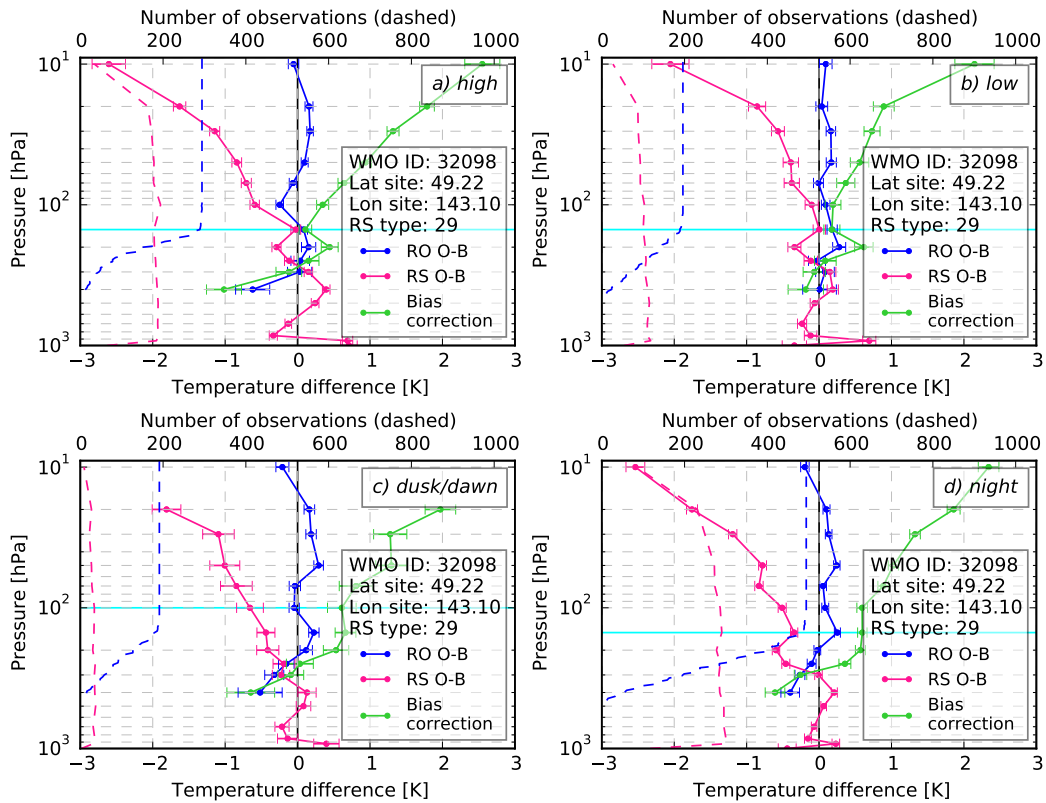
**Figure 1.189:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.190 WMO ID 32061



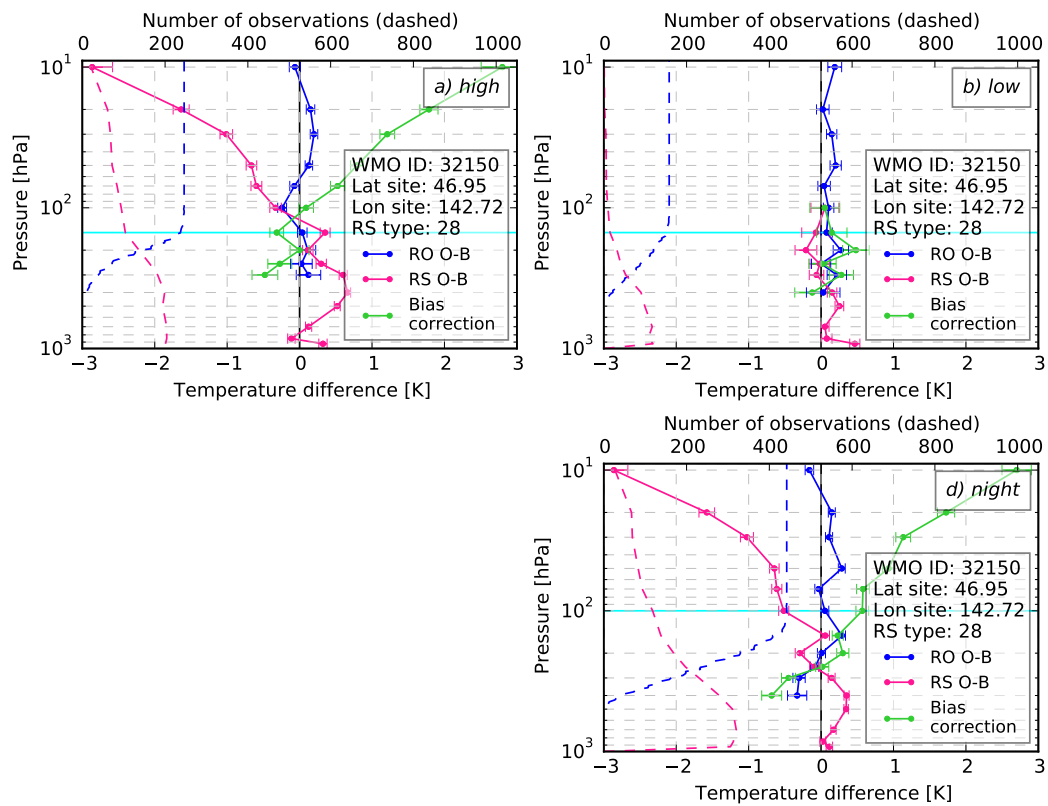
**Figure 1.190:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.191 WMO ID 32098



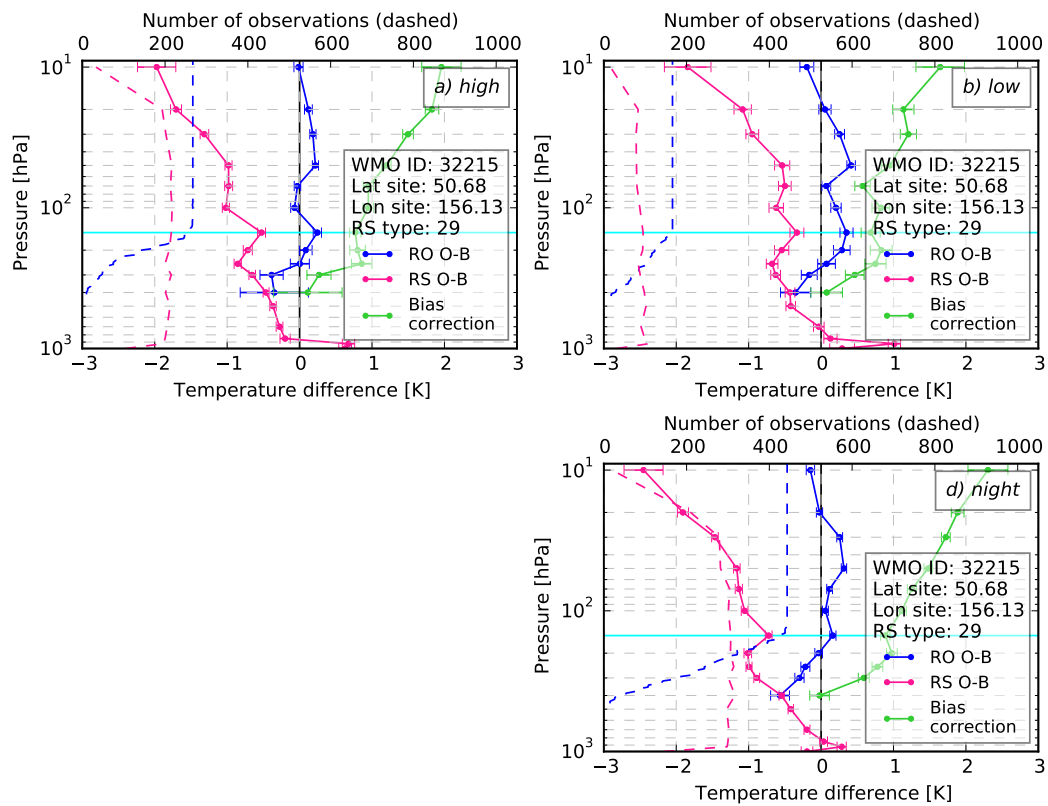
**Figure 1.191:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.192 WMO ID 32150



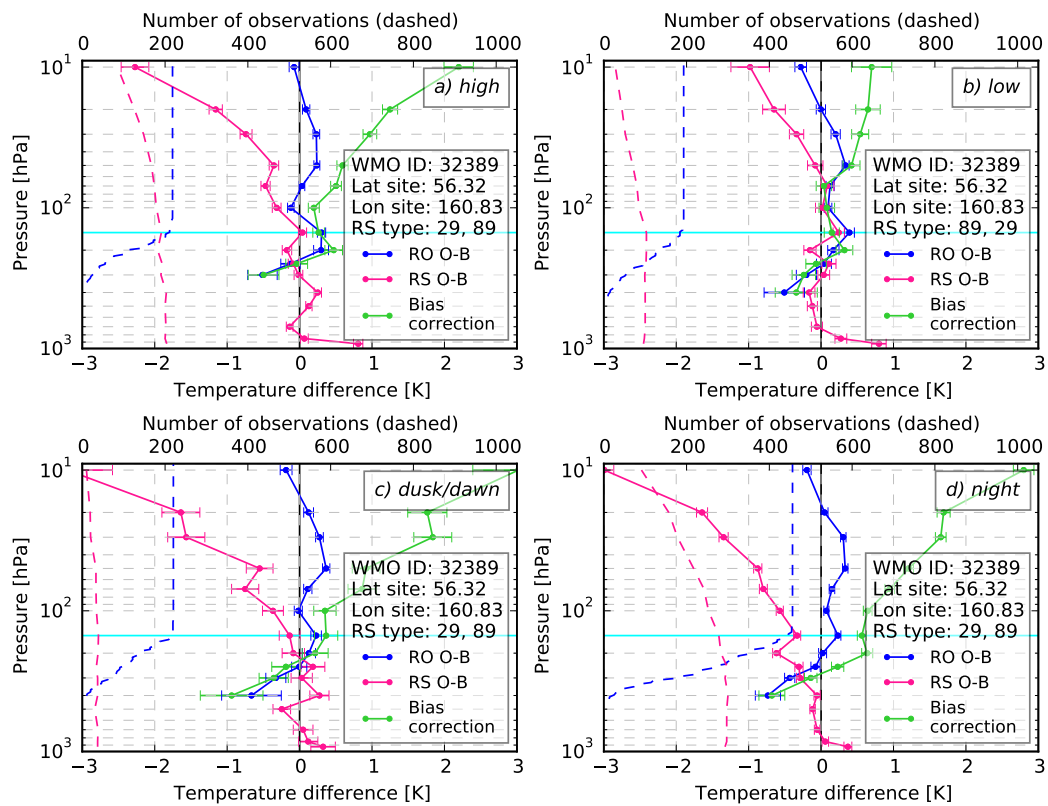
**Figure 1.192:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.193 WMO ID 32215



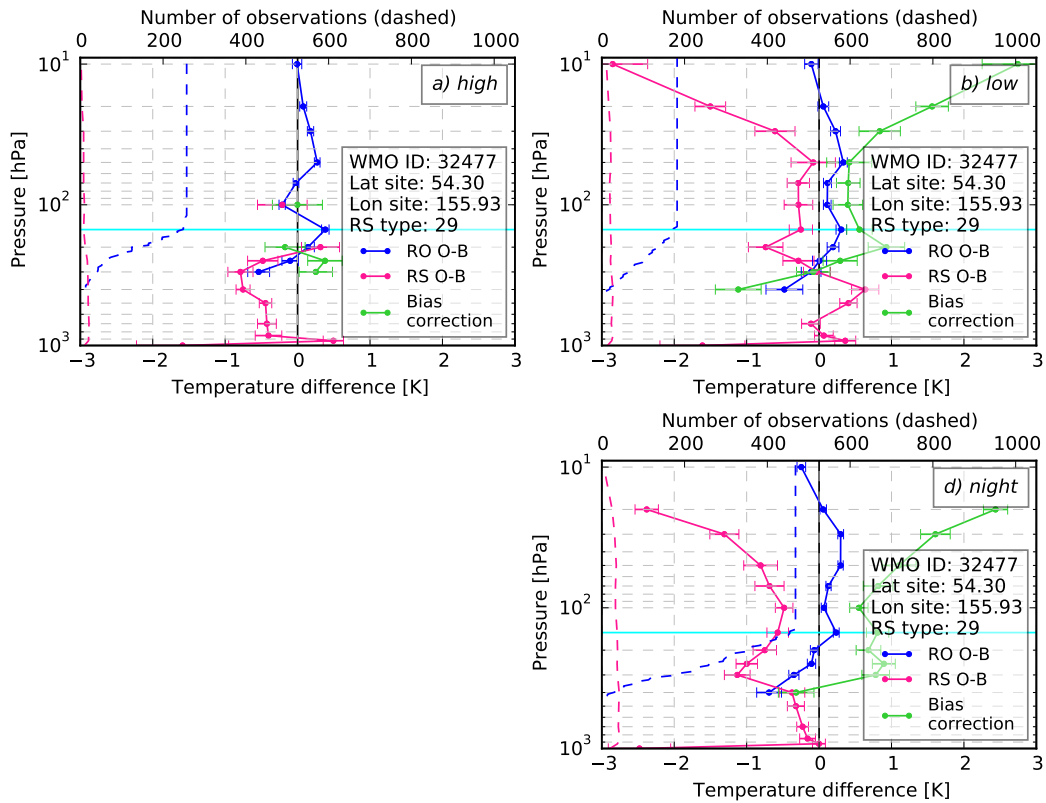
**Figure 1.193:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.194 WMO ID 32389



**Figure 1.194:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

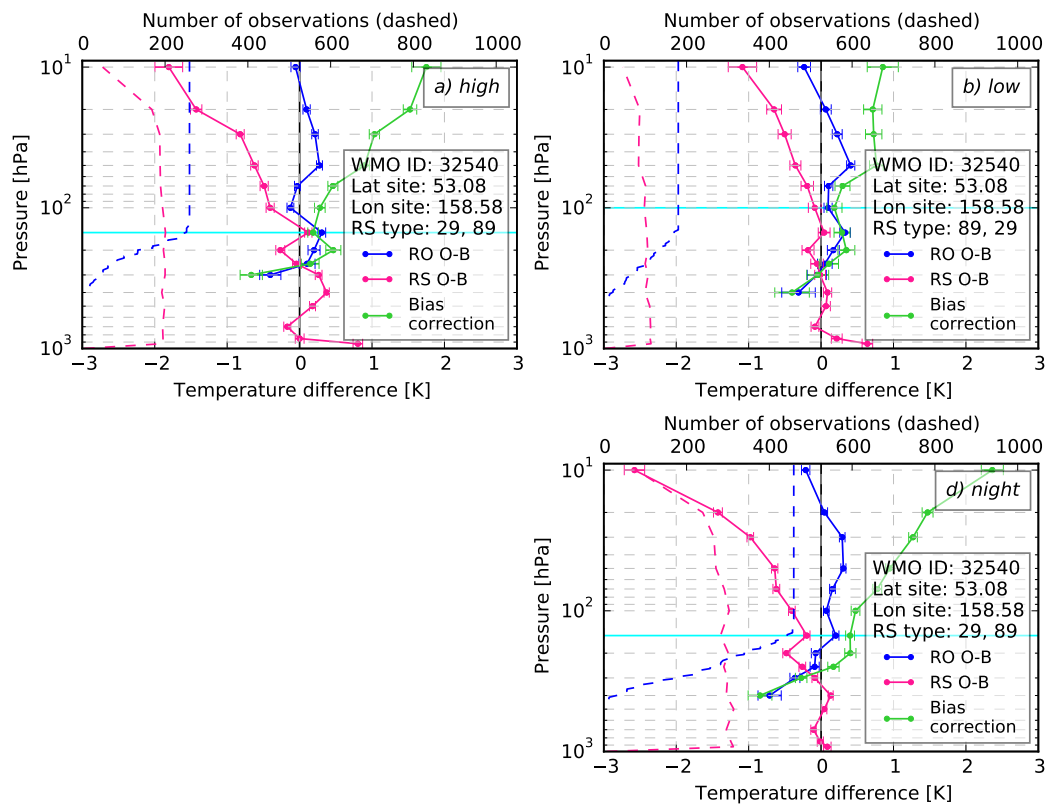
### 1.195 WMO ID 32477



**Figure 1.195:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

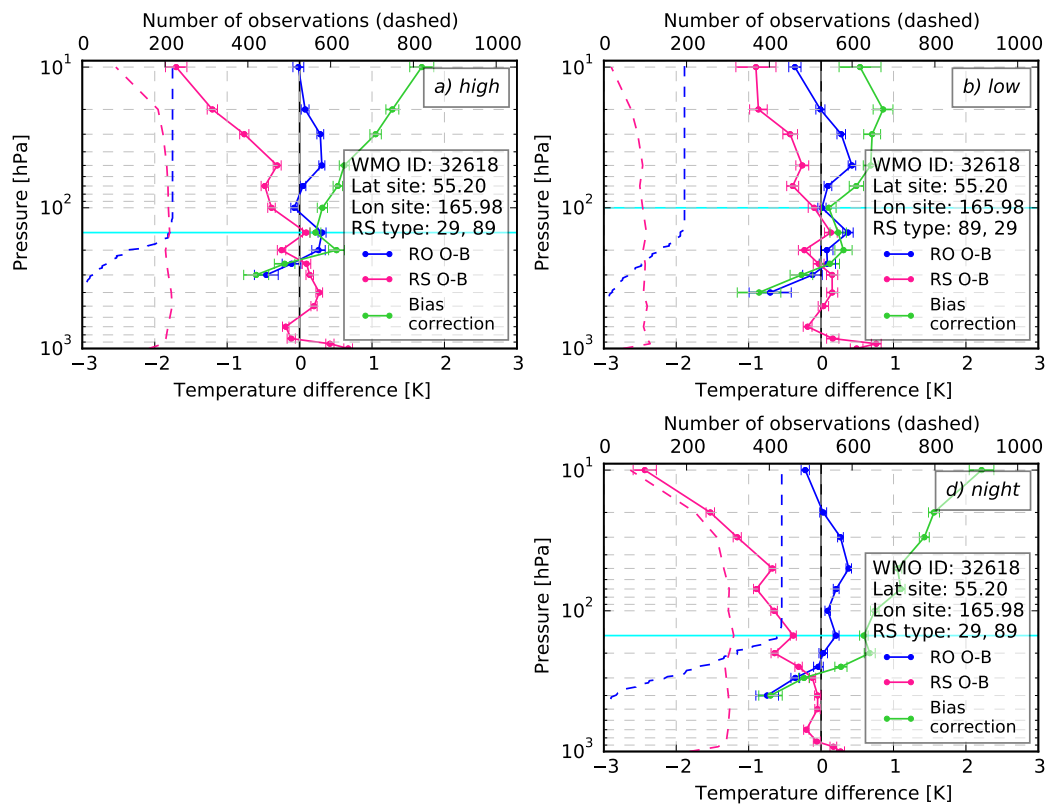


### 1.196 WMO ID 32540



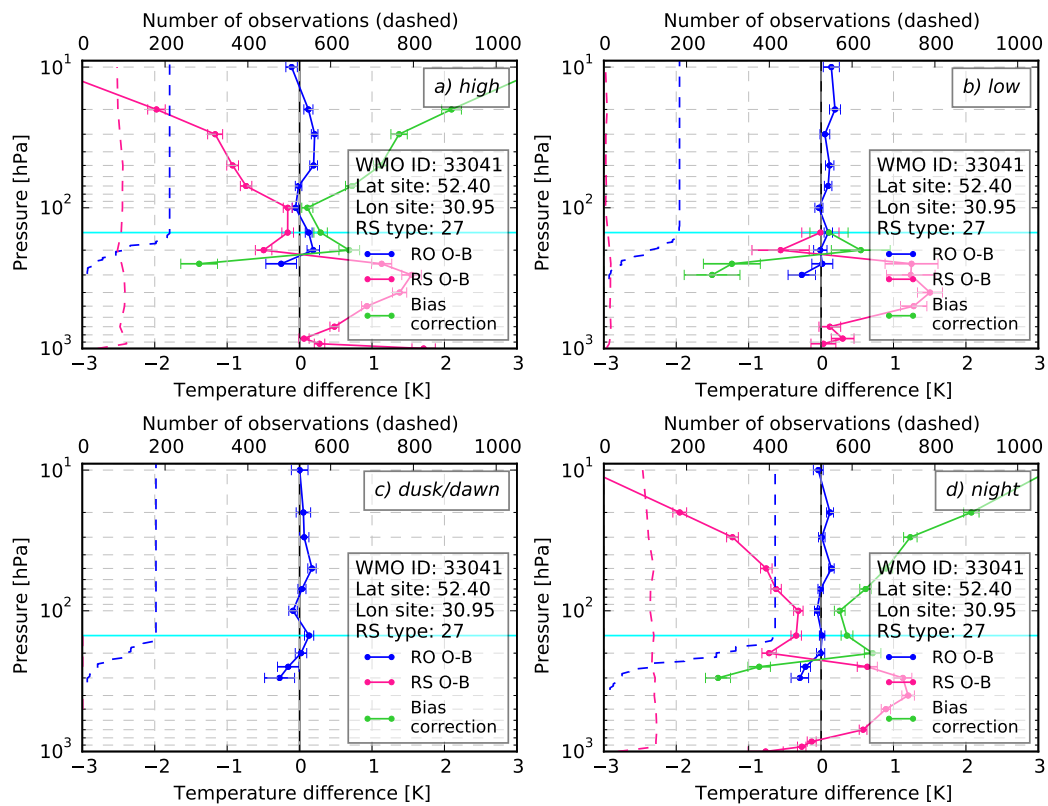
**Figure 1.196:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.197 WMO ID 32618



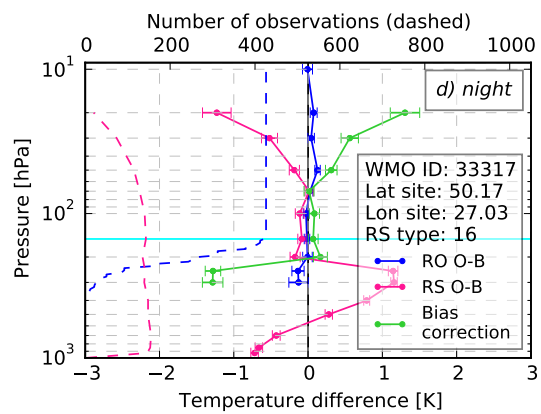
**Figure 1.197:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.198 WMO ID 33041



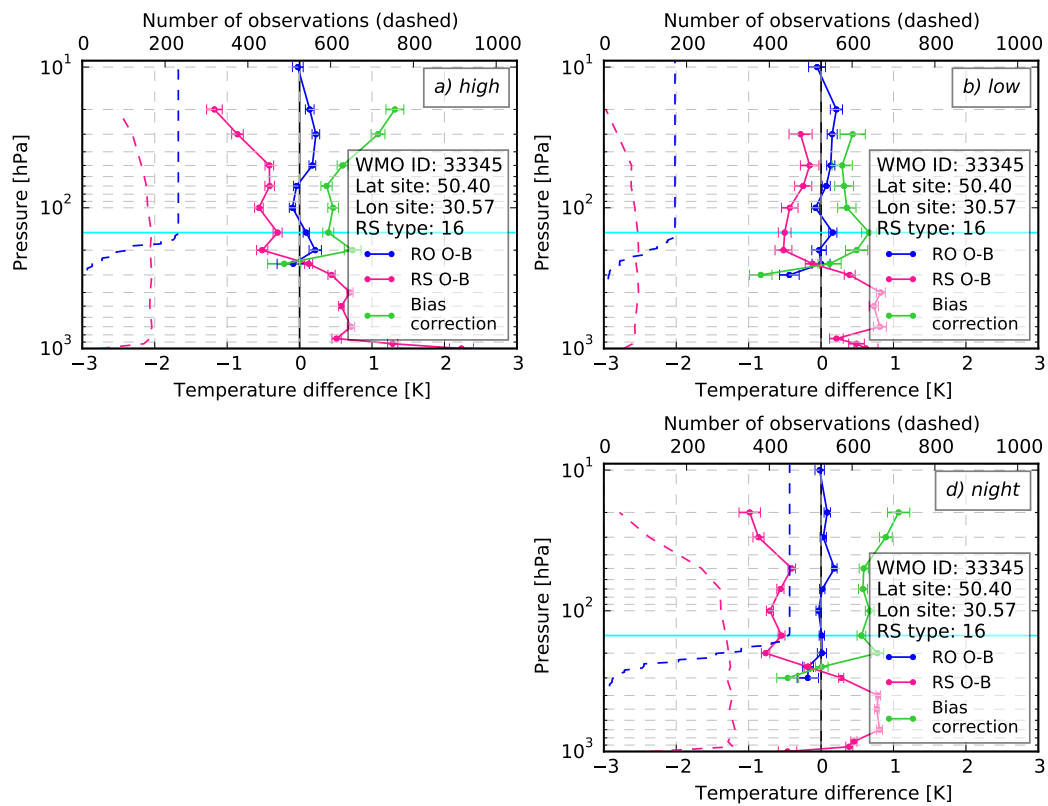
**Figure 1.198:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.199 WMO ID 33317



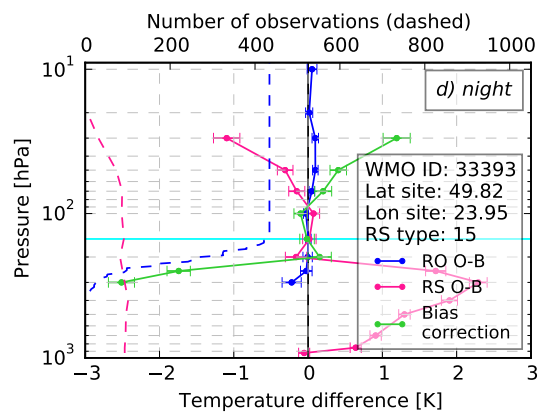
**Figure 1.199:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.200 WMO ID 33345



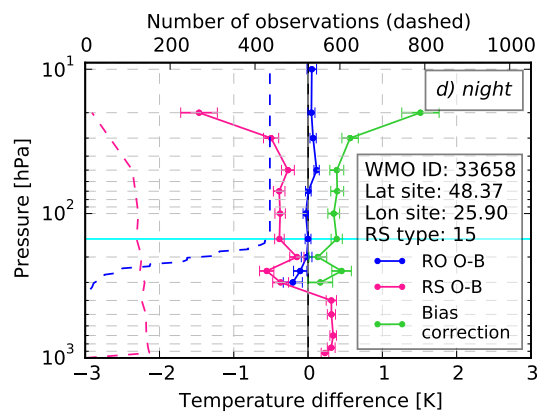
**Figure 1.200:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.201 WMO ID 33393



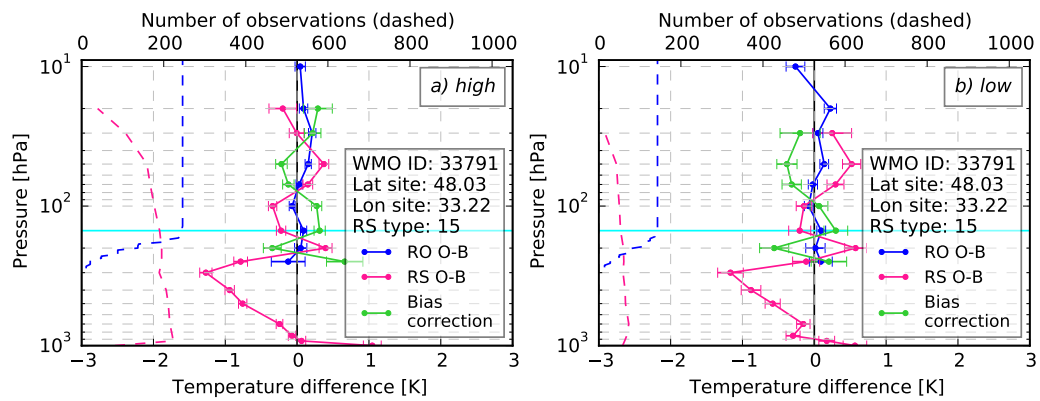
**Figure 1.201:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.202 WMO ID 33658



**Figure 1.202:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

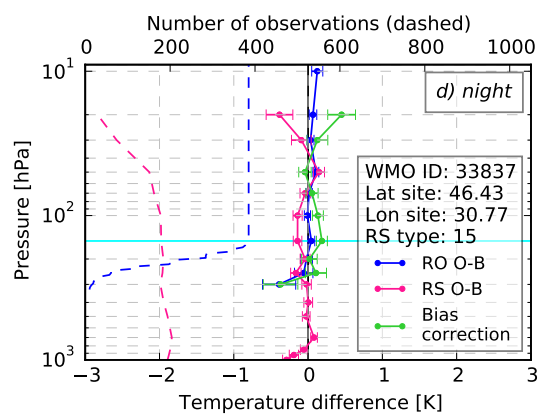
### 1.203 WMO ID 33791



**Figure 1.203:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

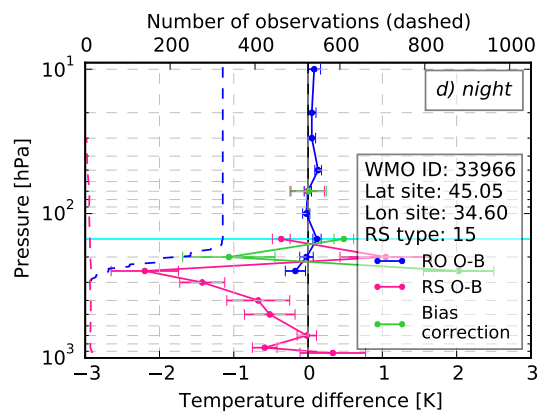


## 1.204 WMO ID 33837



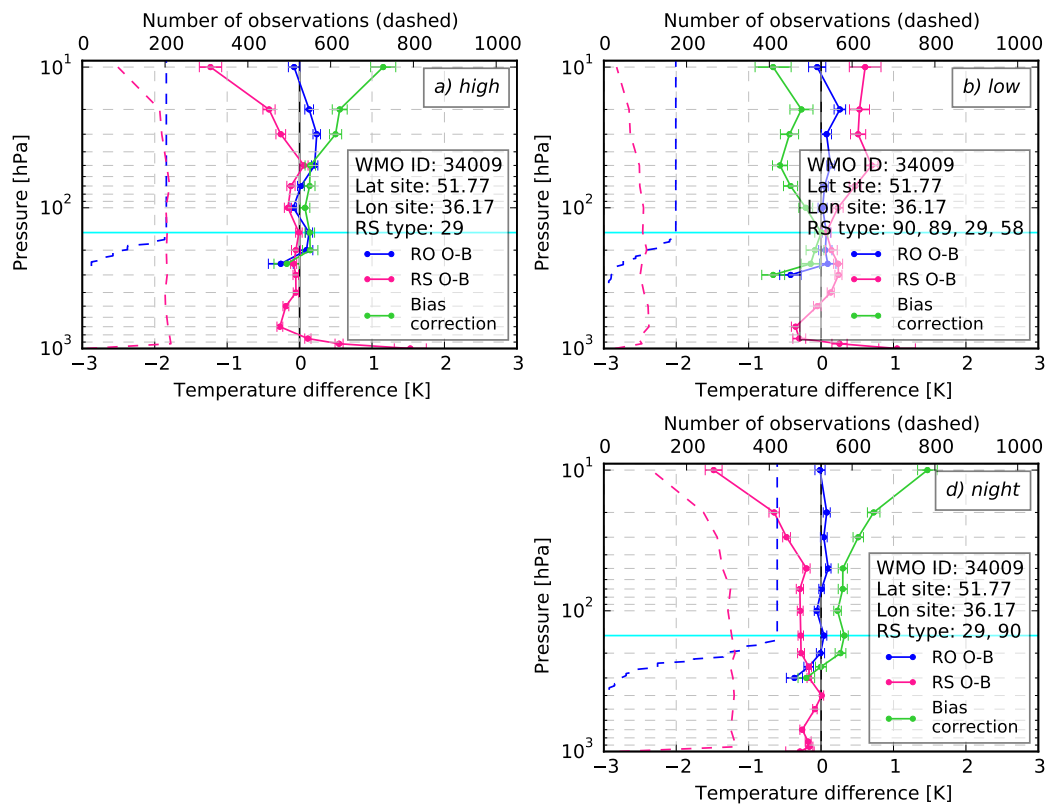
**Figure 1.204:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.205 WMO ID 33966



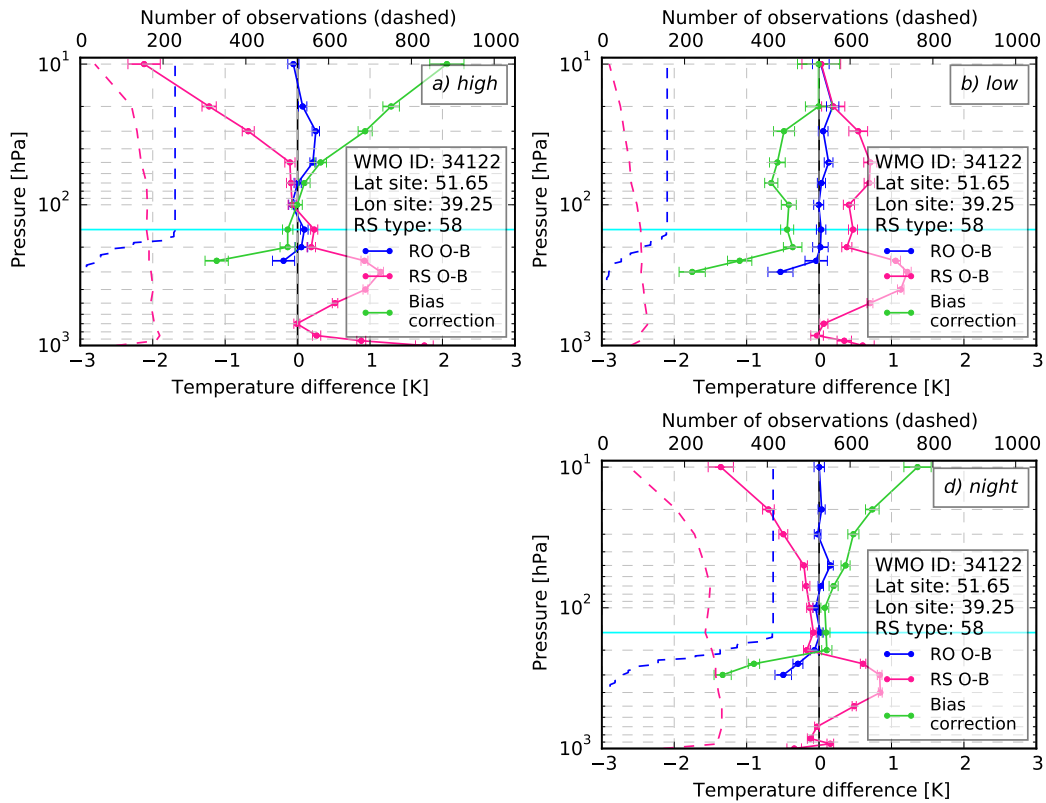
**Figure 1.205:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.206 WMO ID 34009



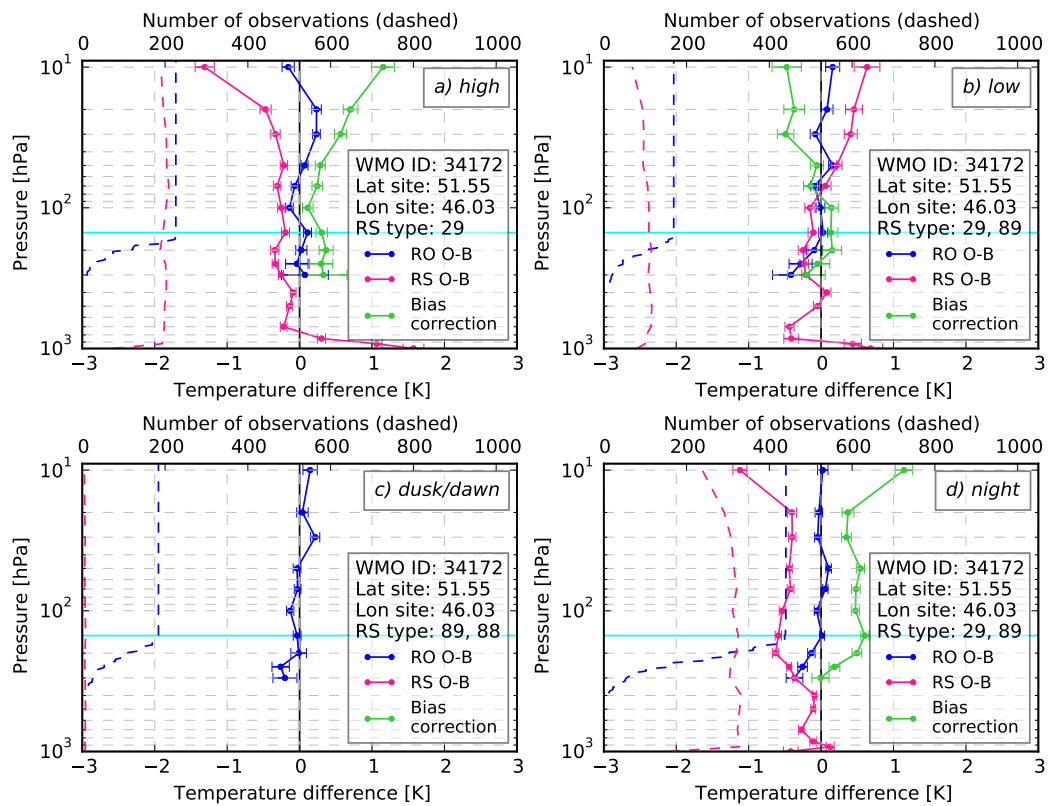
**Figure 1.206:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.207 WMO ID 34122



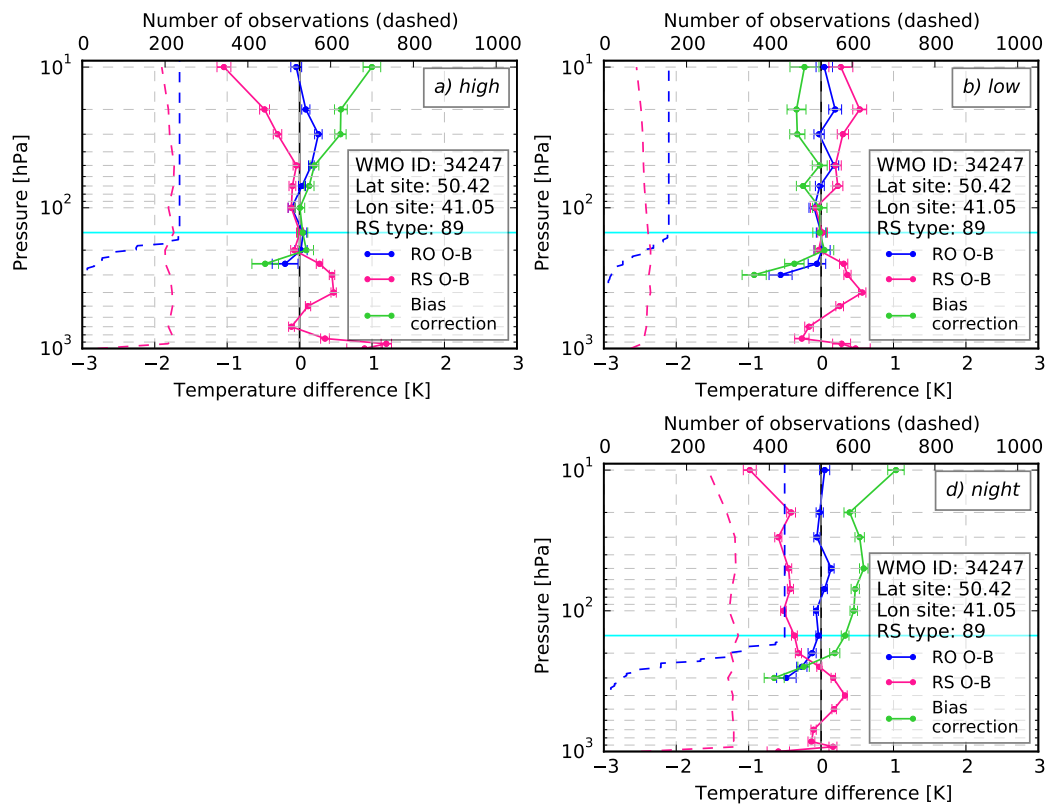
**Figure 1.207:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.208 WMO ID 34172



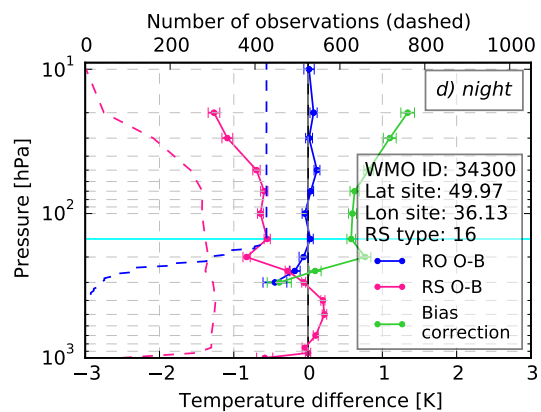
**Figure 1.208:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.209 WMO ID 34247



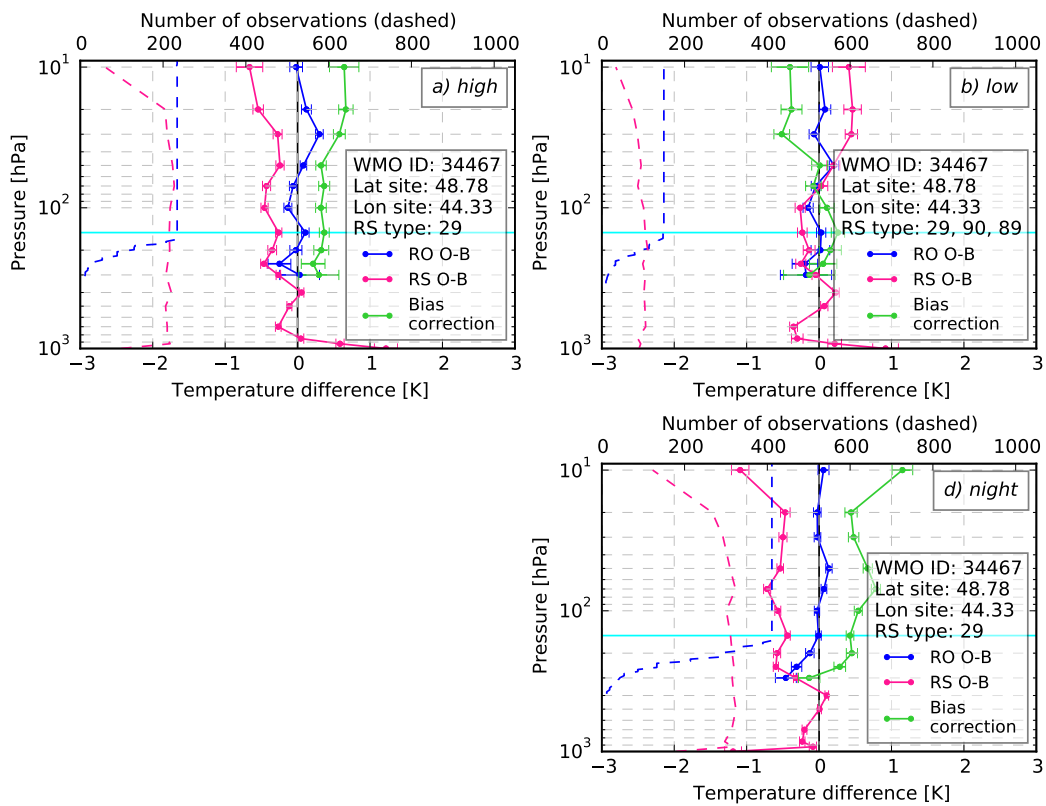
**Figure 1.209:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.210 WMO ID 34300



**Figure 1.210:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

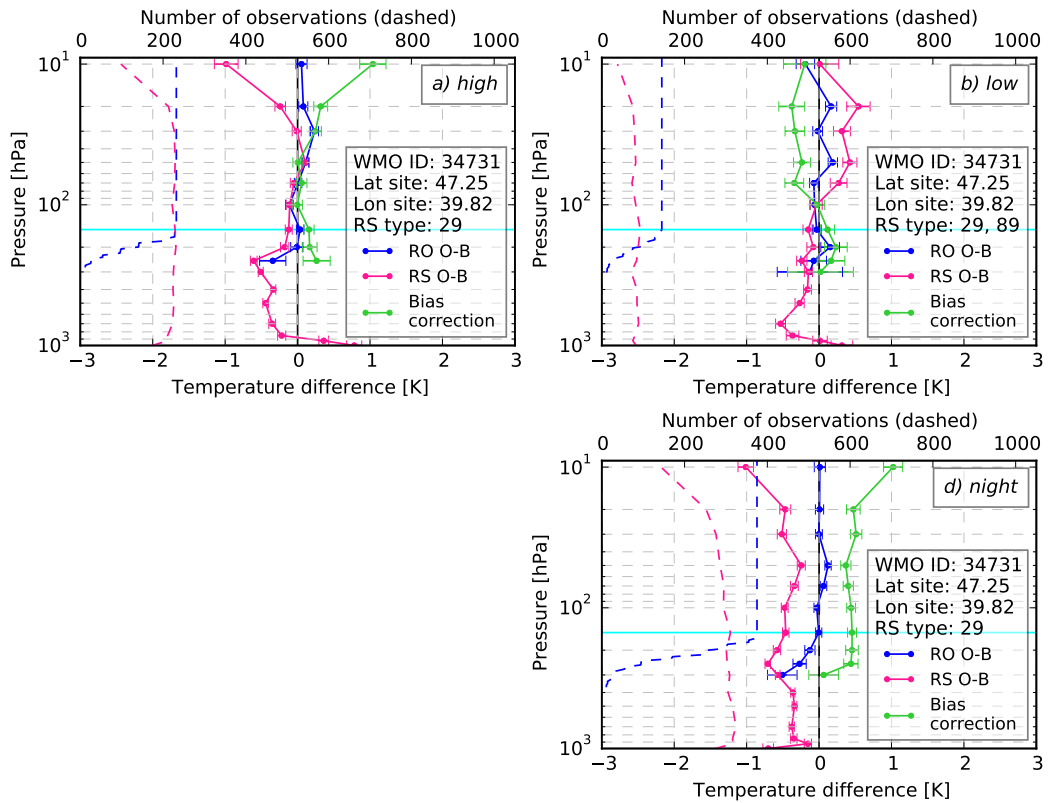
### 1.211 WMO ID 34467



**Figure 1.211:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

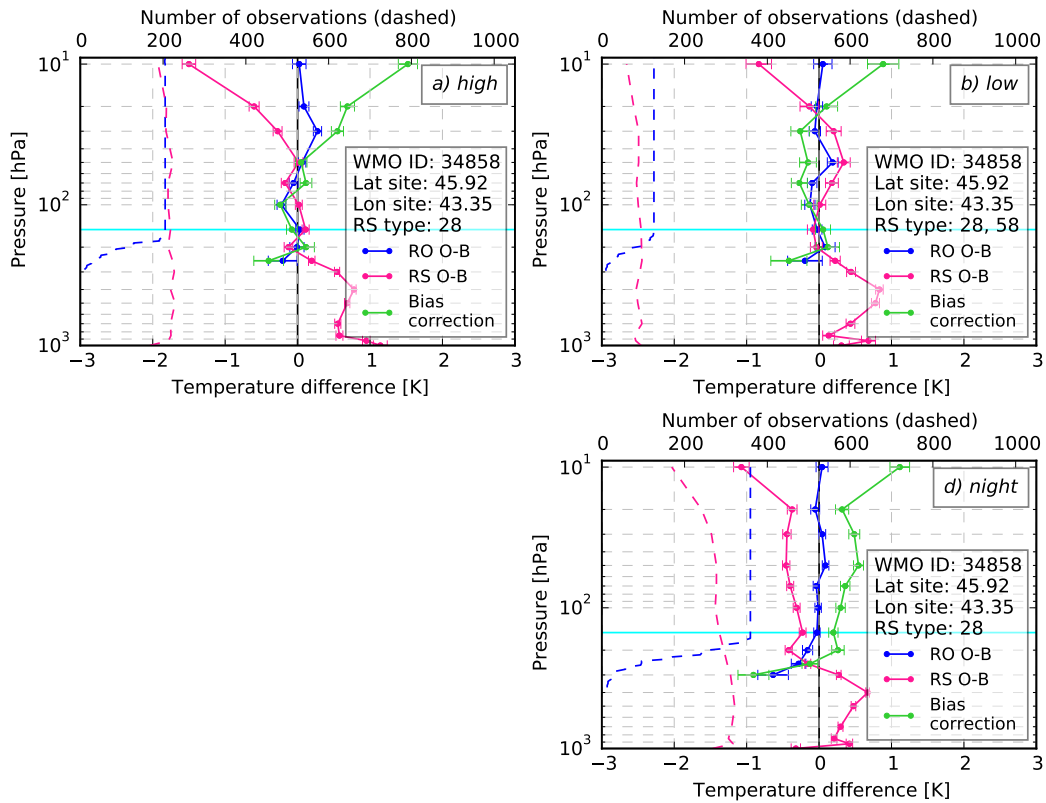


## 1.212 WMO ID 34731



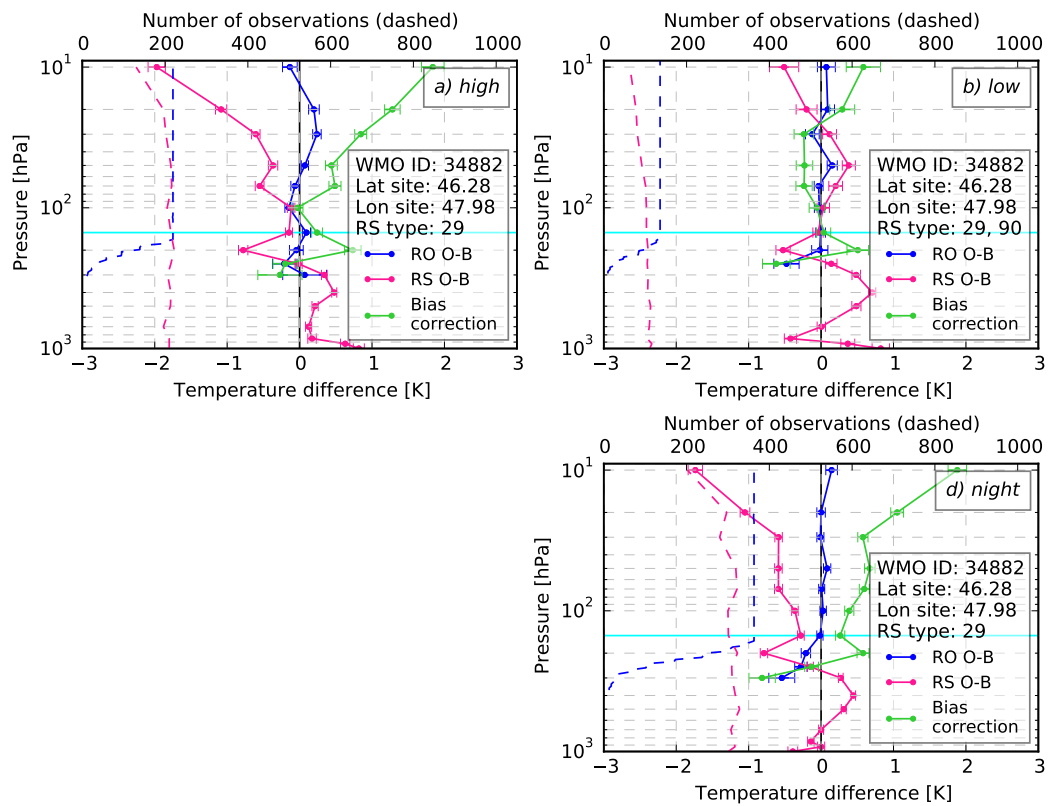
**Figure 1.212:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.213 WMO ID 34858



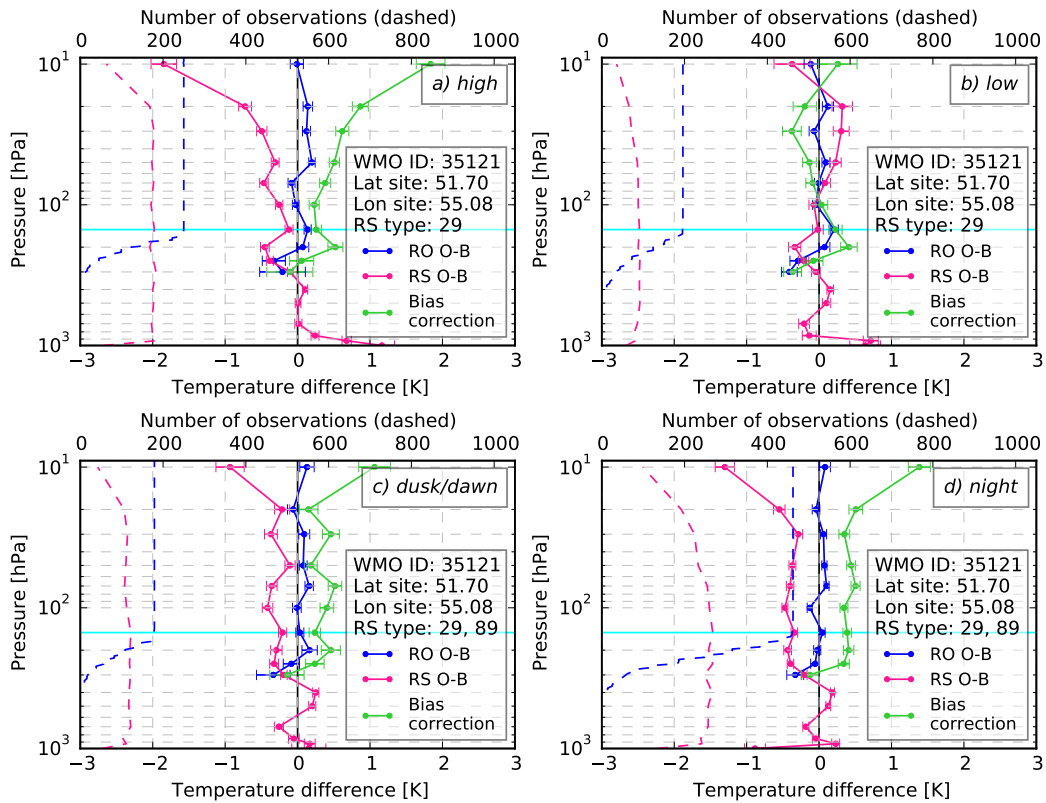
**Figure 1.213:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.214 WMO ID 34882



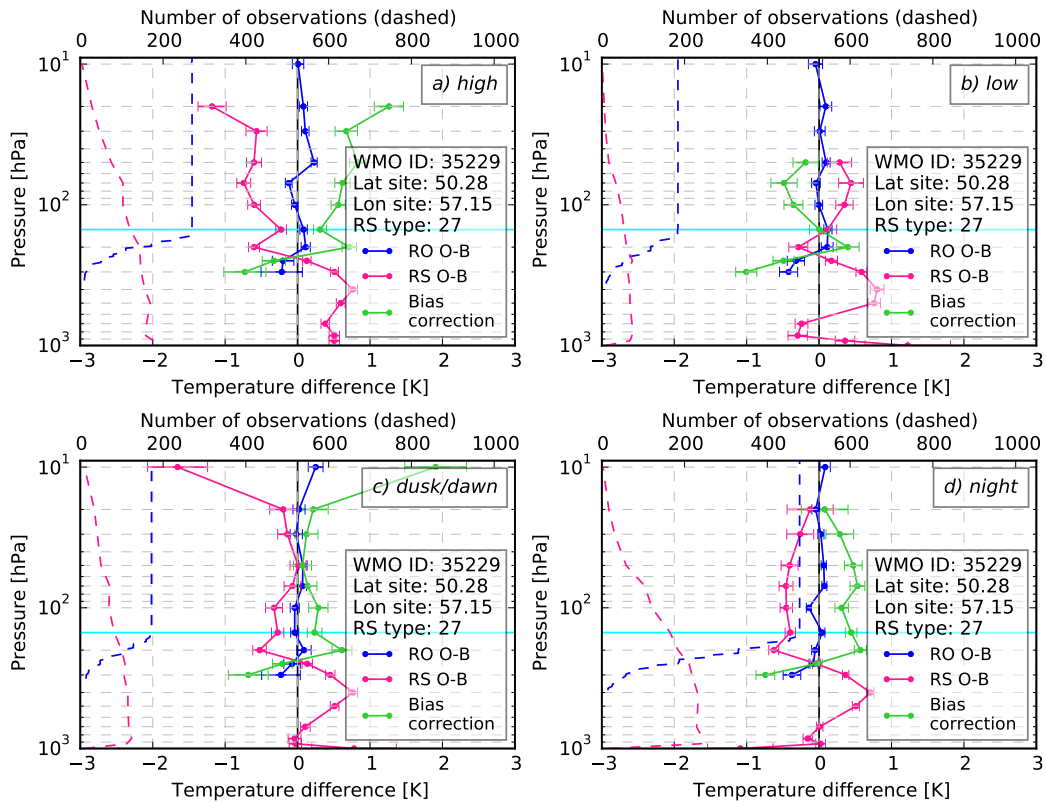
**Figure 1.214:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.215 WMO ID 35121



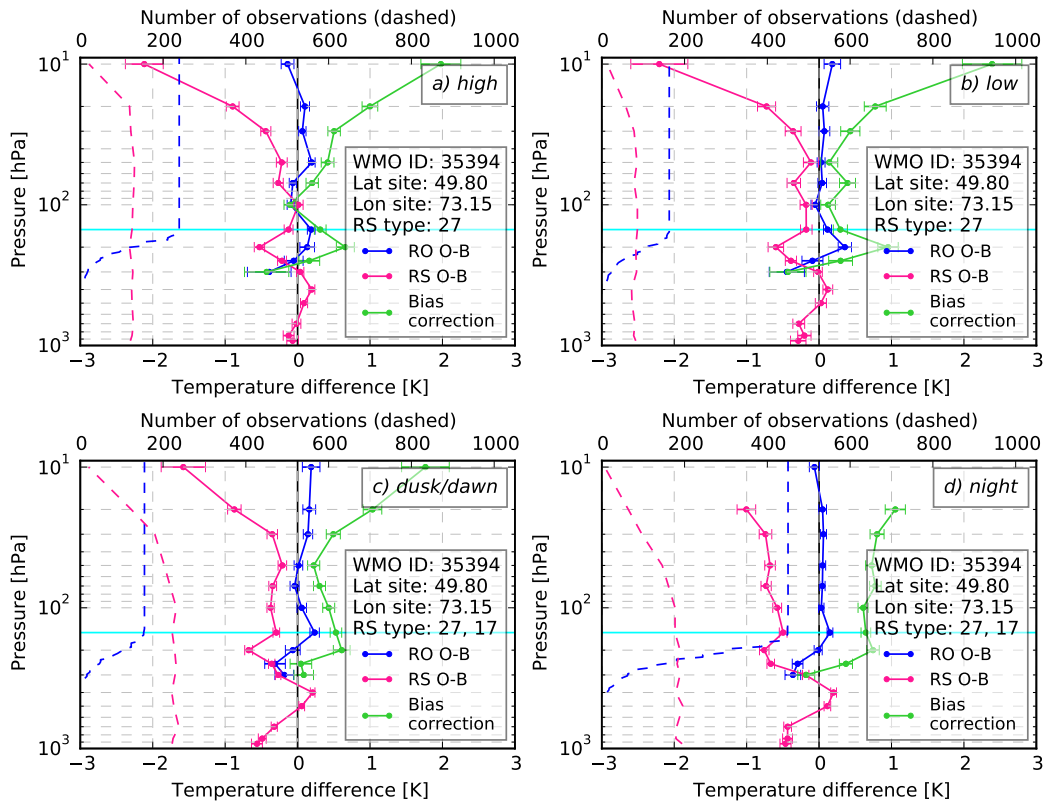
**Figure 1.215:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.216 WMO ID 35229



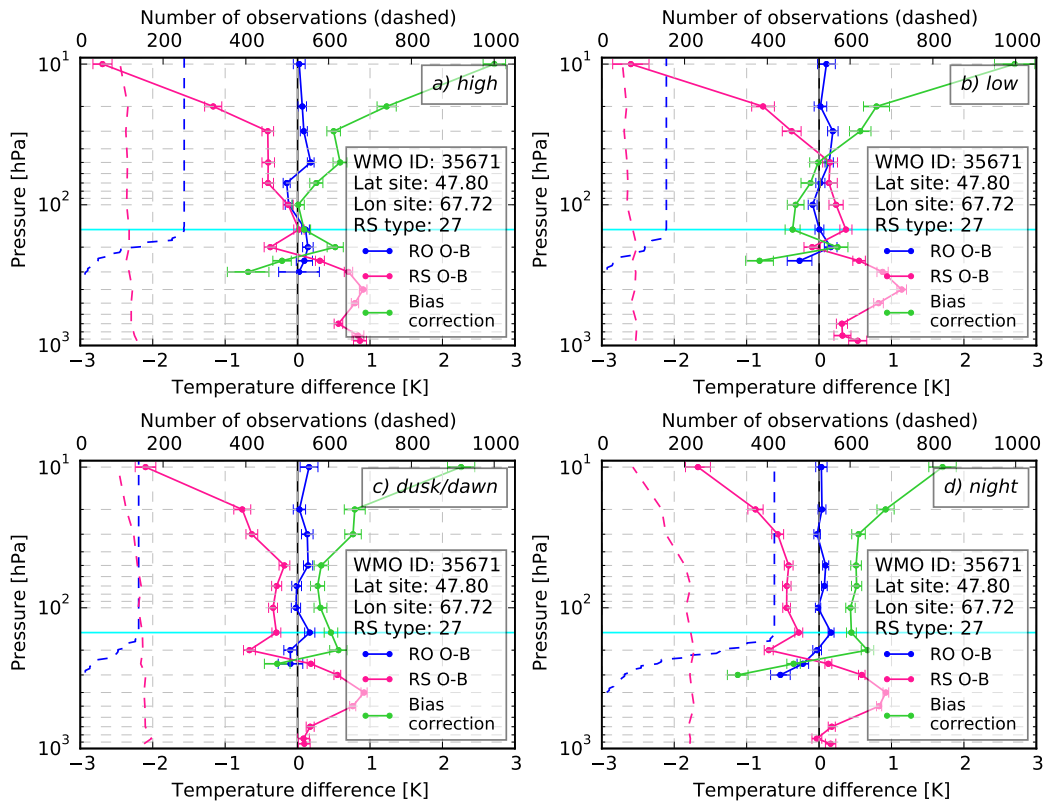
**Figure 1.216:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.217 WMO ID 35394



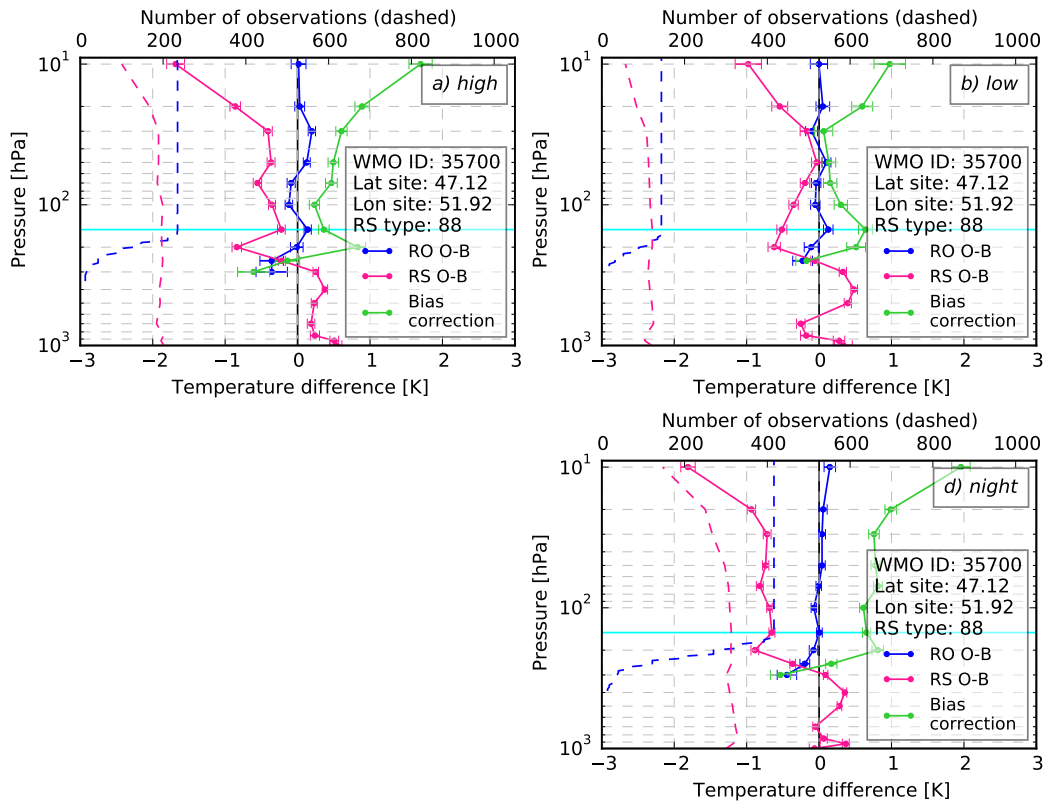
**Figure 1.217:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.218 WMO ID 35671



**Figure 1.218:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

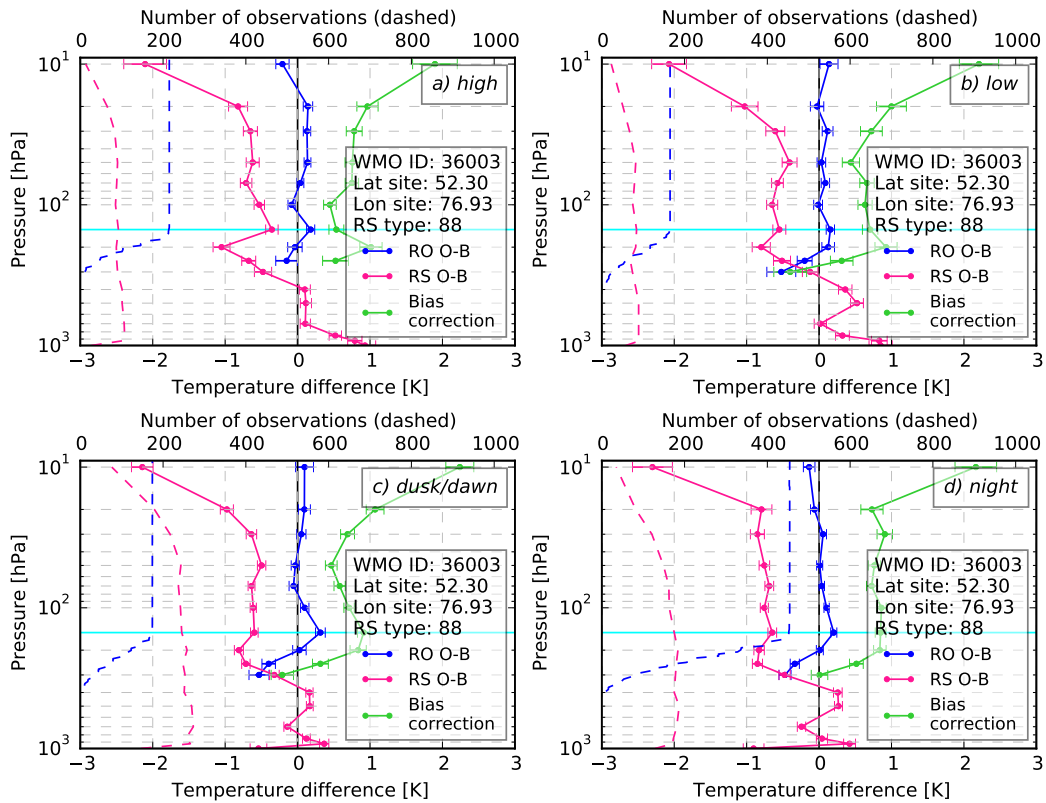
## 1.219 WMO ID 35700



**Figure 1.219:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

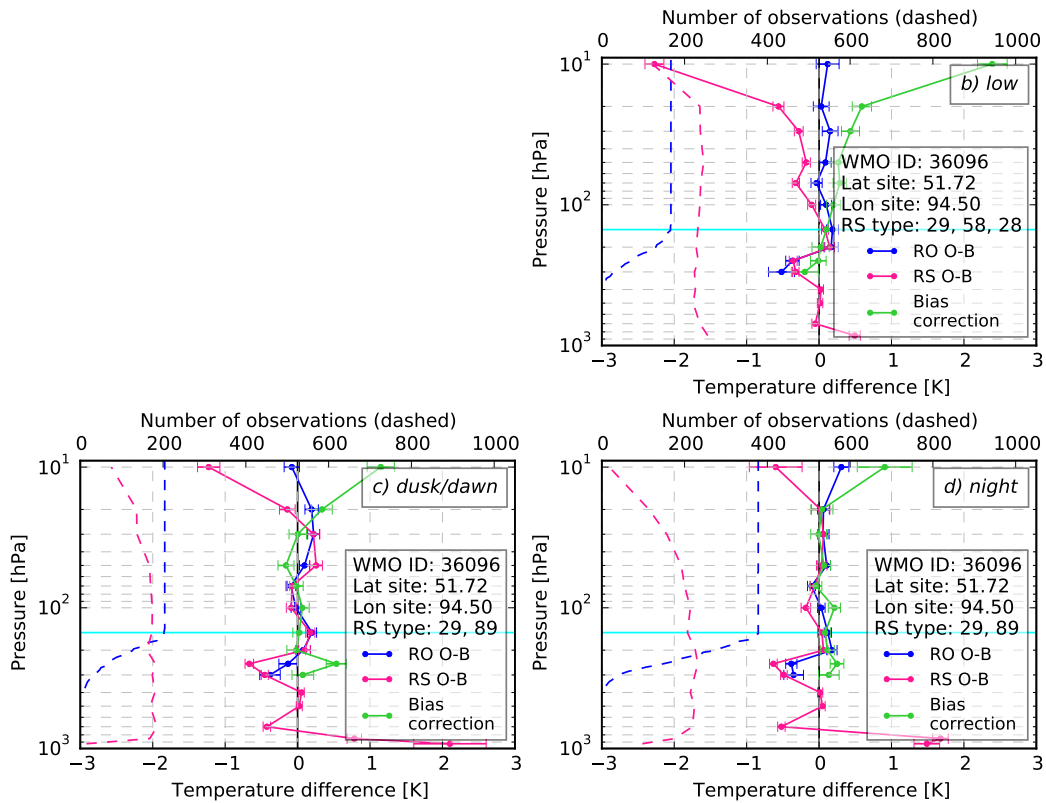


## 1.220 WMO ID 36003



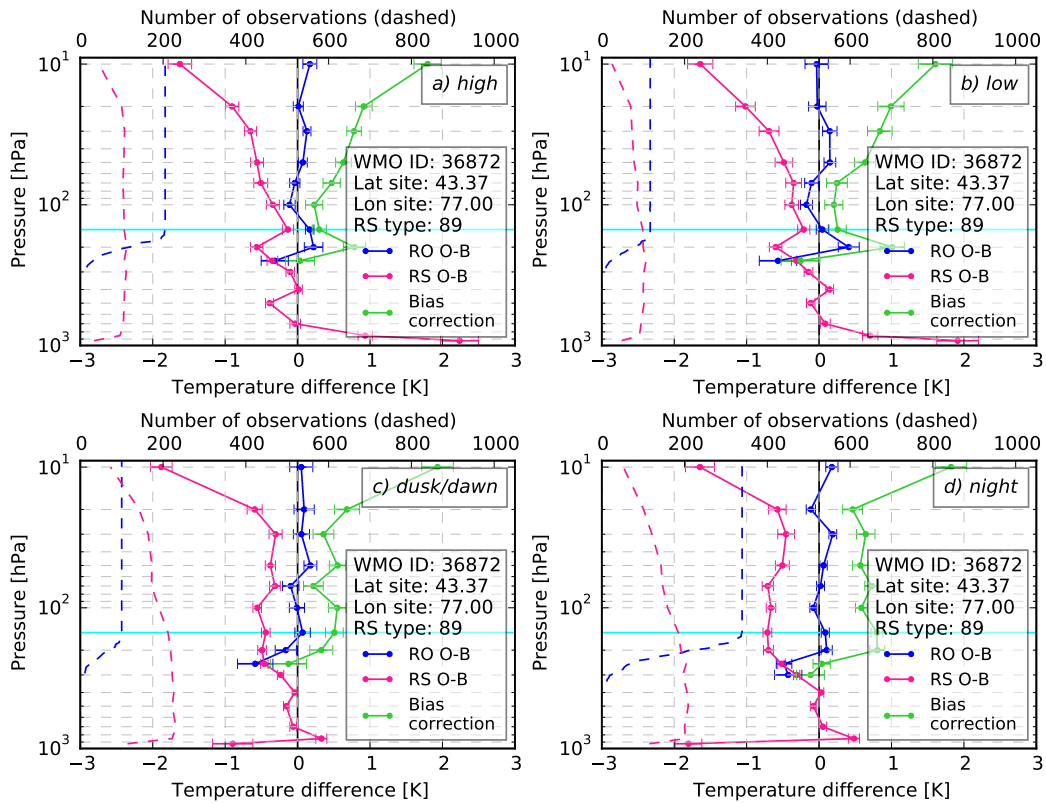
**Figure 1.220:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.221 WMO ID 36096



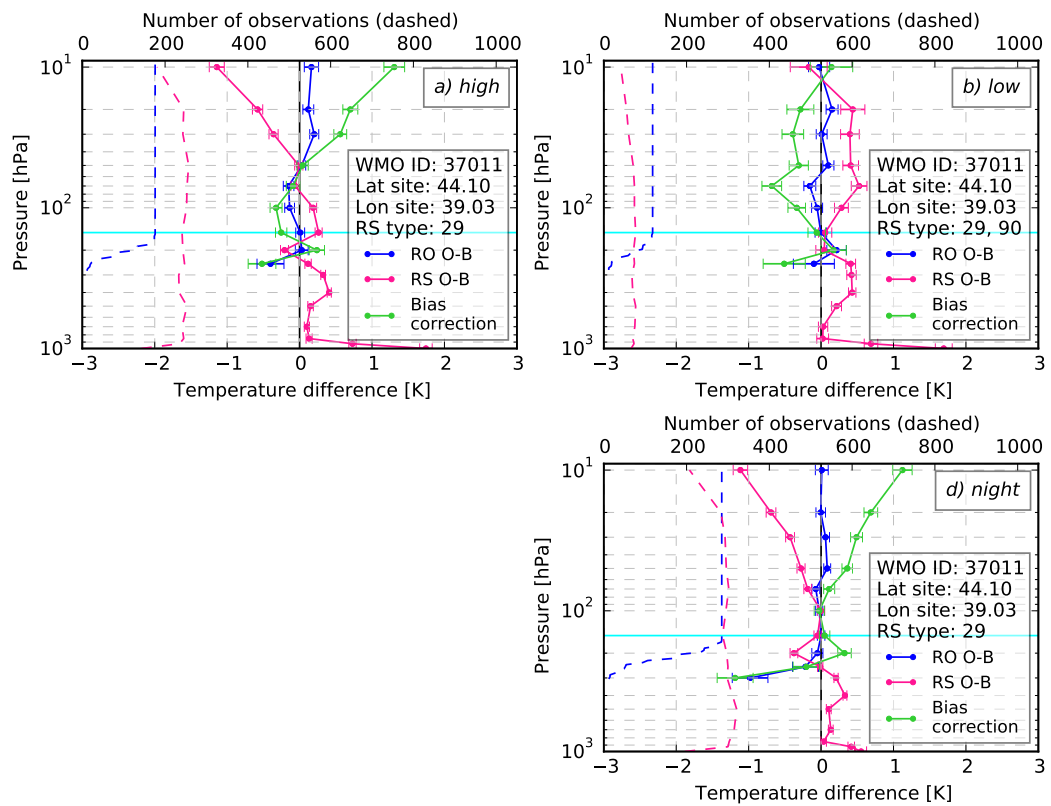
**Figure 1.221:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.222 WMO ID 36872



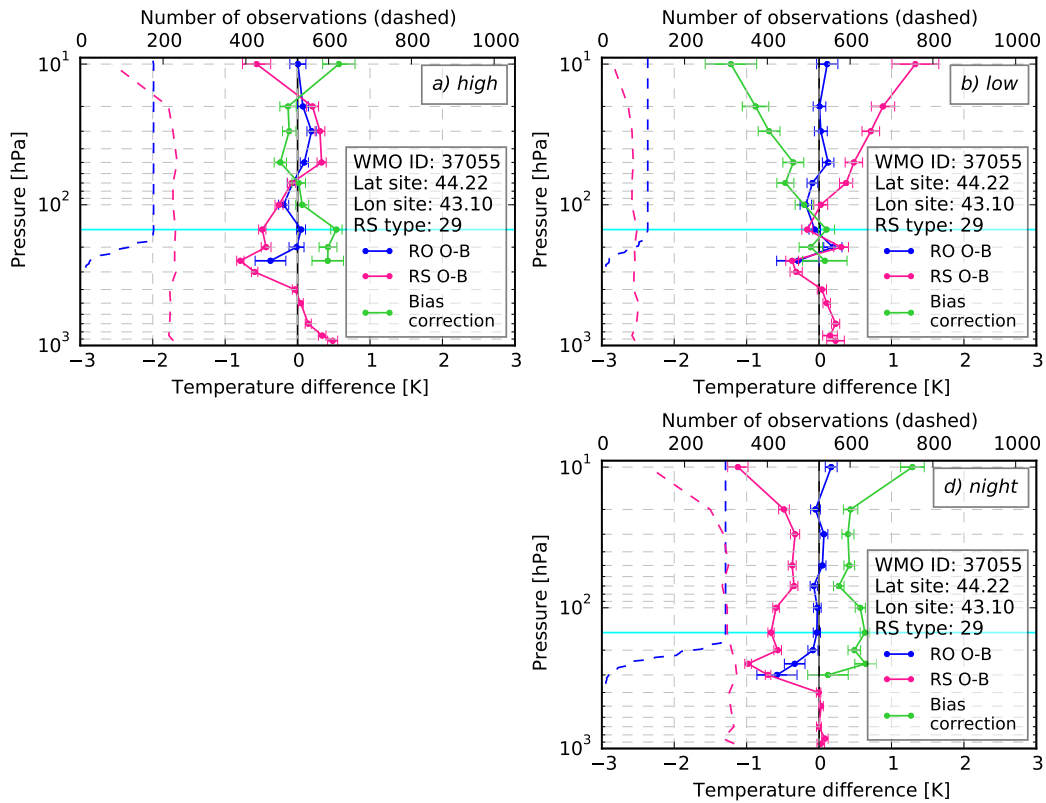
**Figure 1.222:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.223 WMO ID 37011



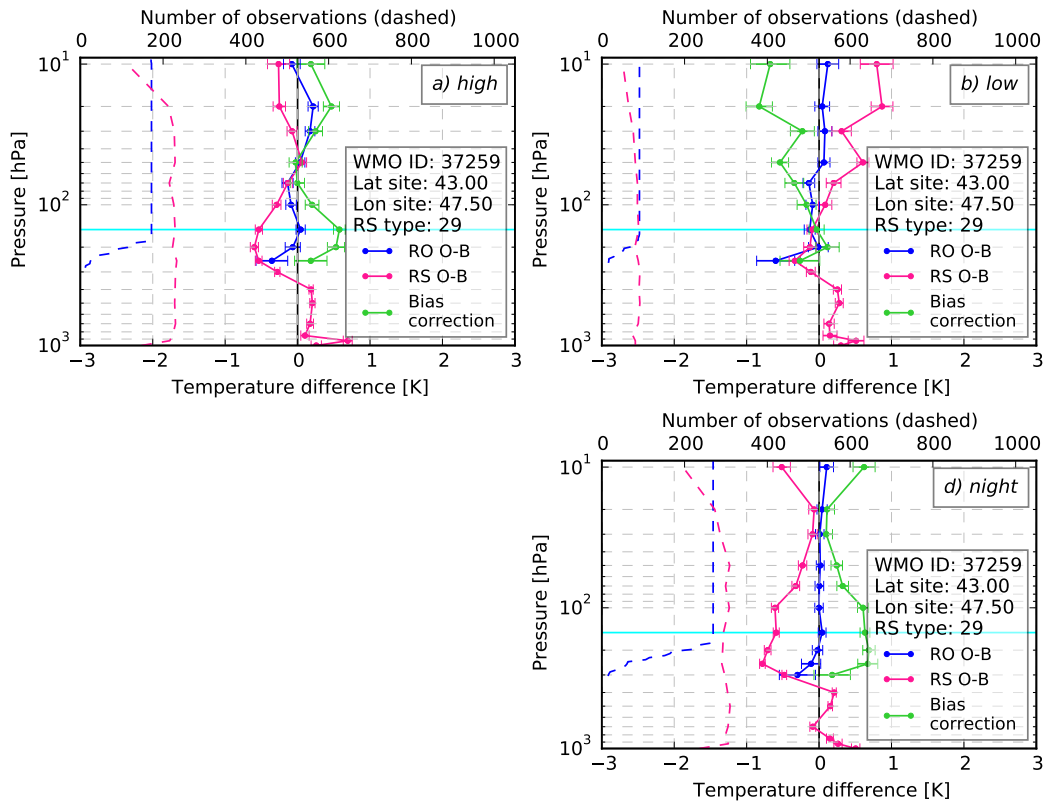
**Figure 1.223:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.224 WMO ID 37055



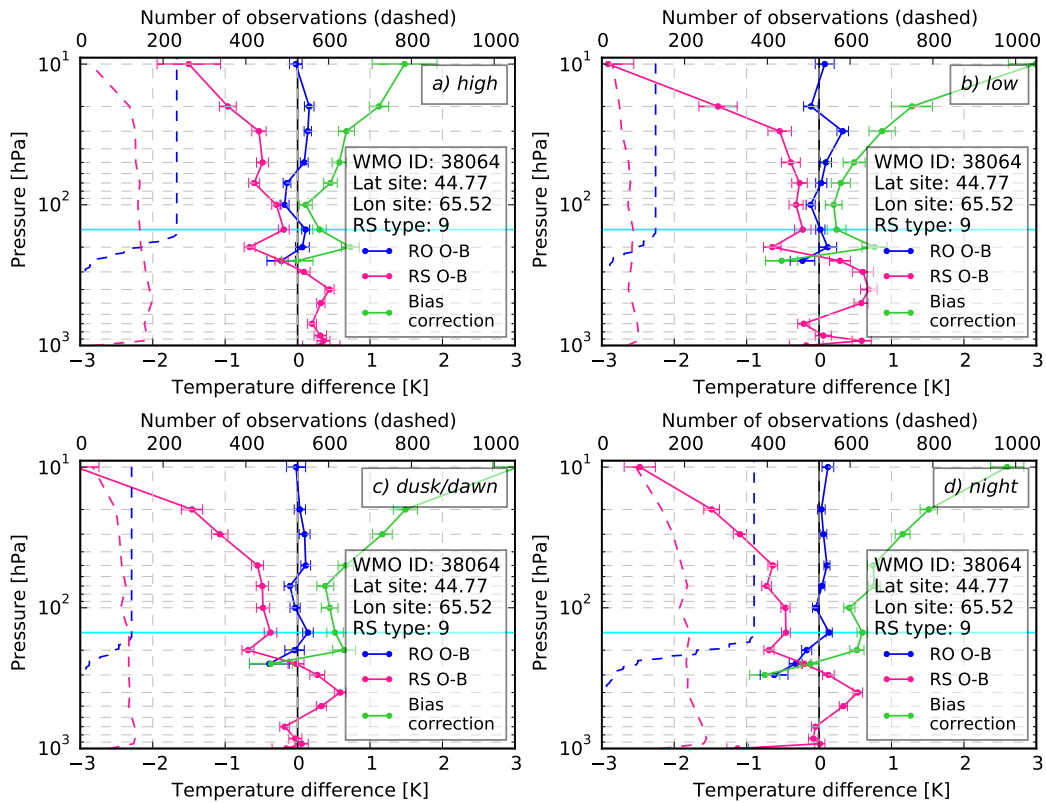
**Figure 1.224:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.225 WMO ID 37259



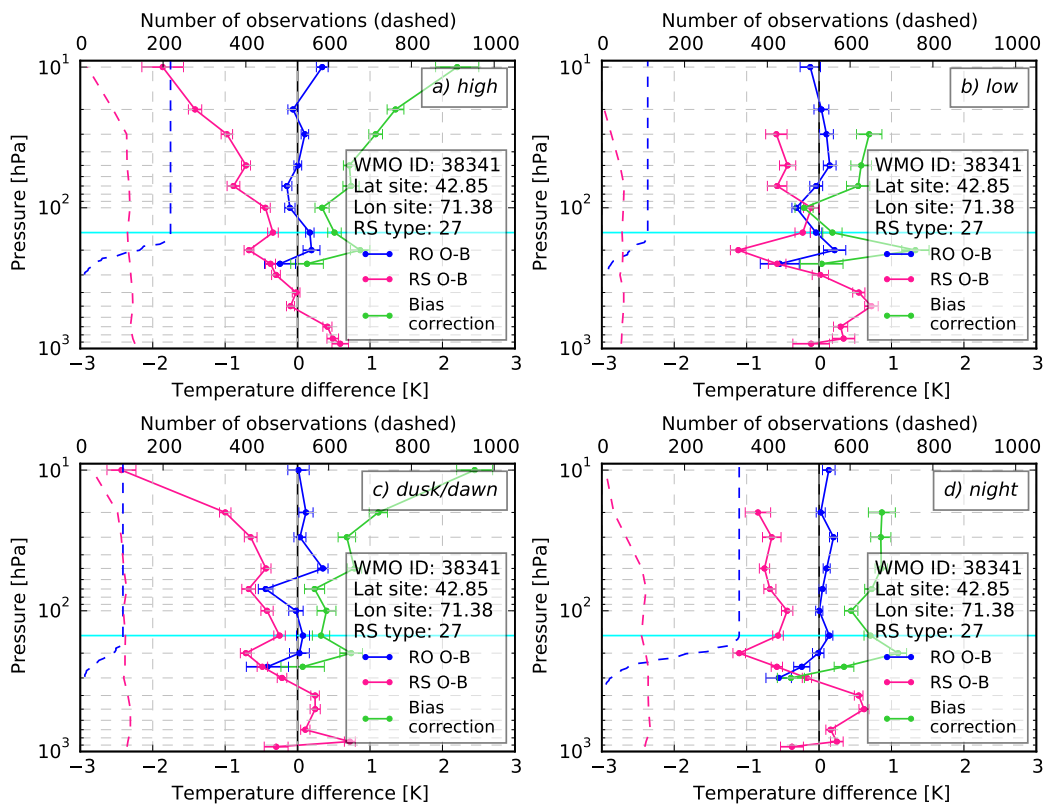
**Figure 1.225:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.226 WMO ID 38064



**Figure 1.226:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

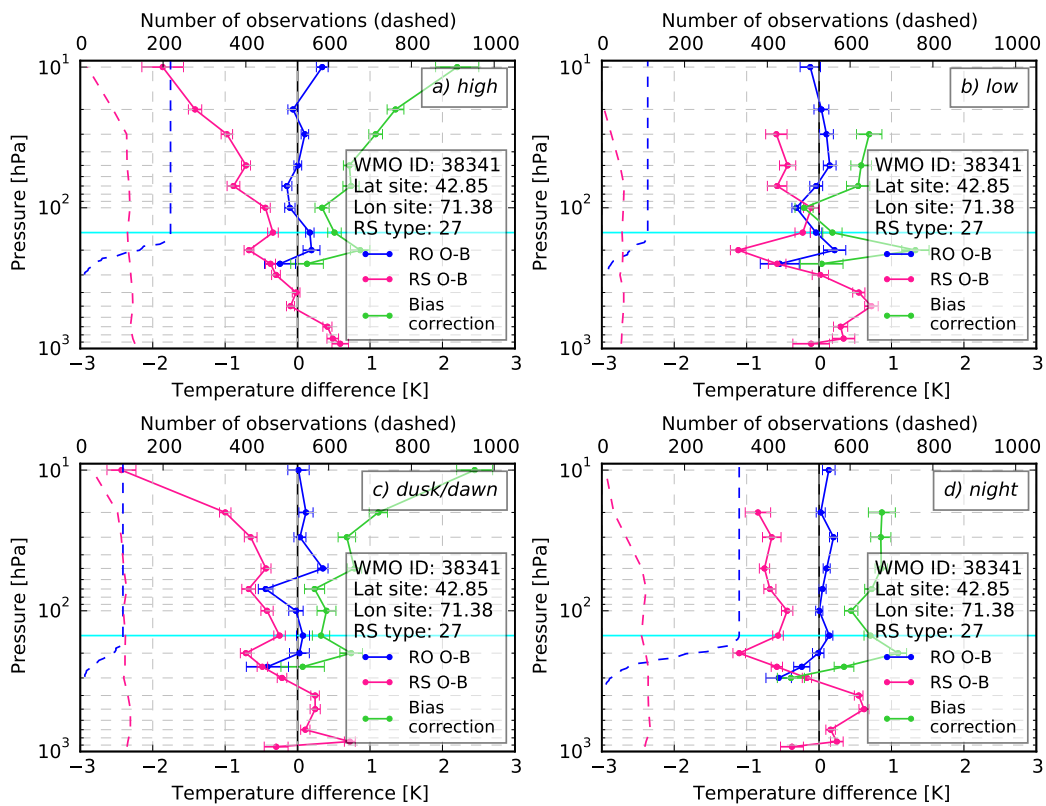
## 1.227 WMO ID 38341



**Figure 1.227:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

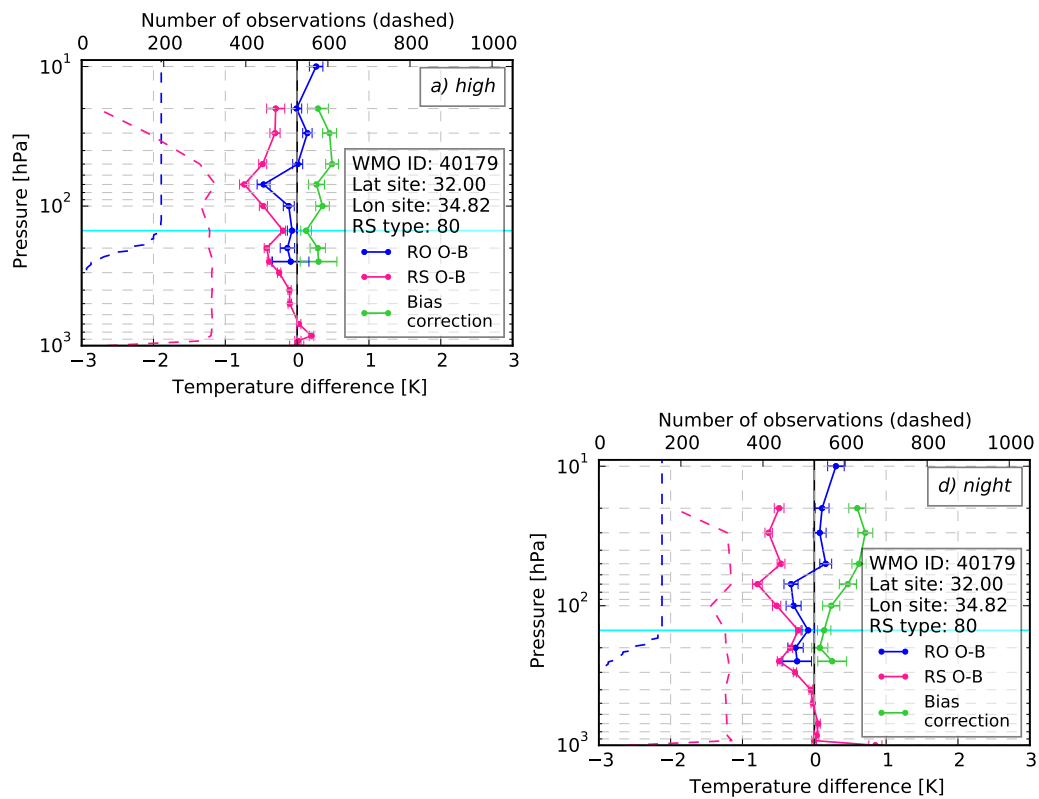


## 1.228 WMO ID 38341



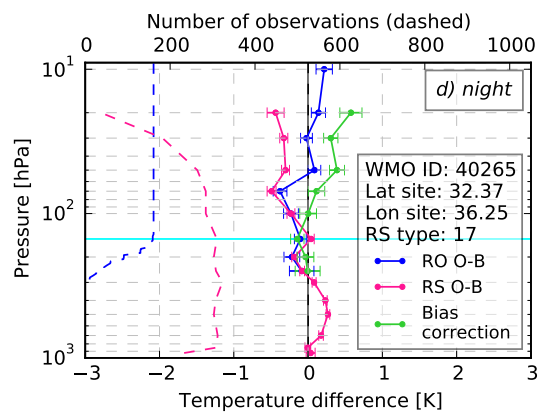
**Figure 1.228:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.229 WMO ID 40179



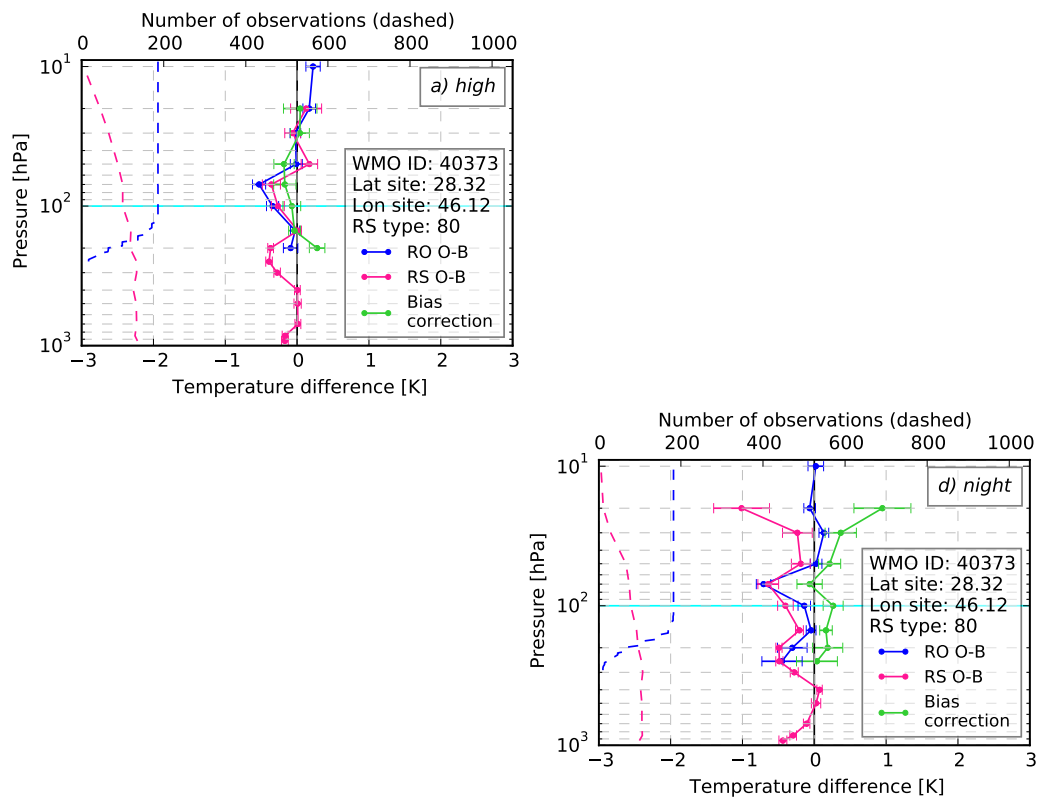
**Figure 1.229:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.230 WMO ID 40265



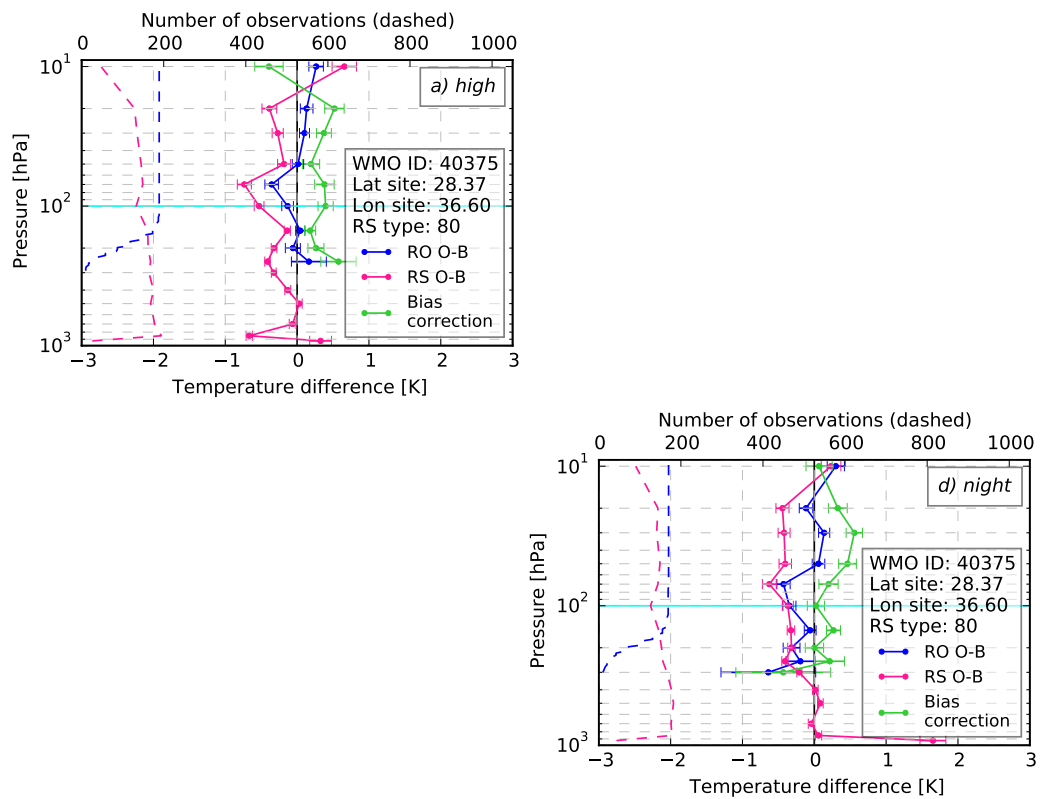
**Figure 1.230:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.231 WMO ID 40373



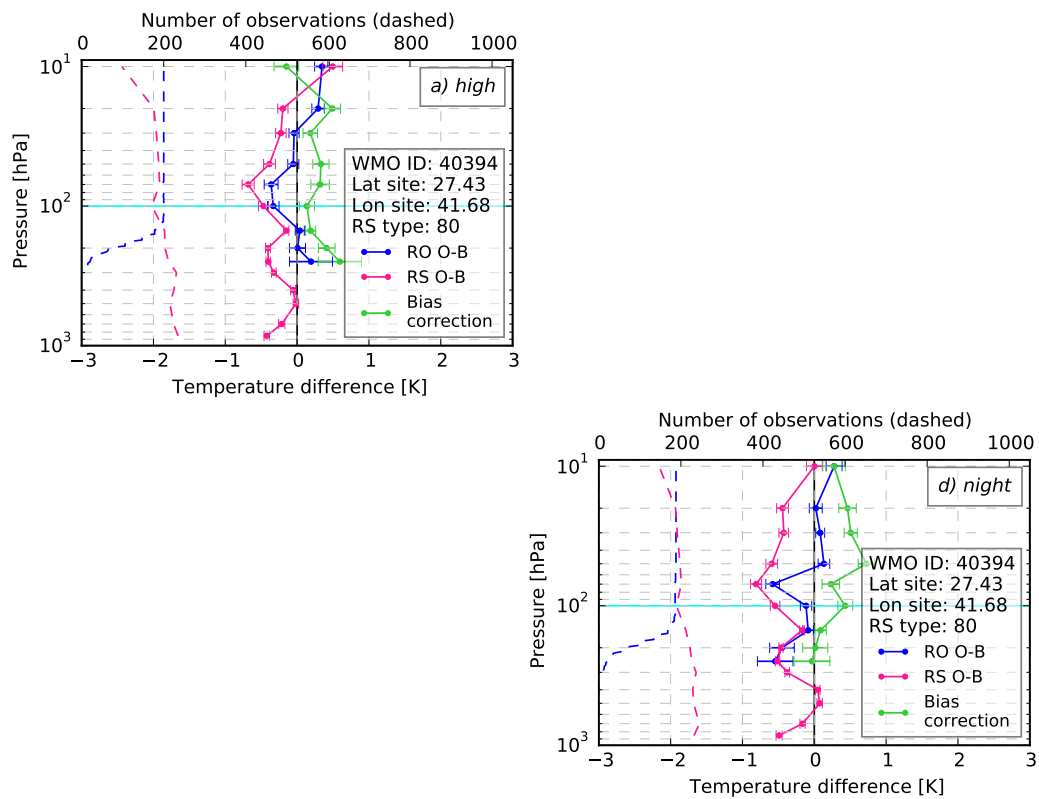
**Figure 1.231:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.232 WMO ID 40375



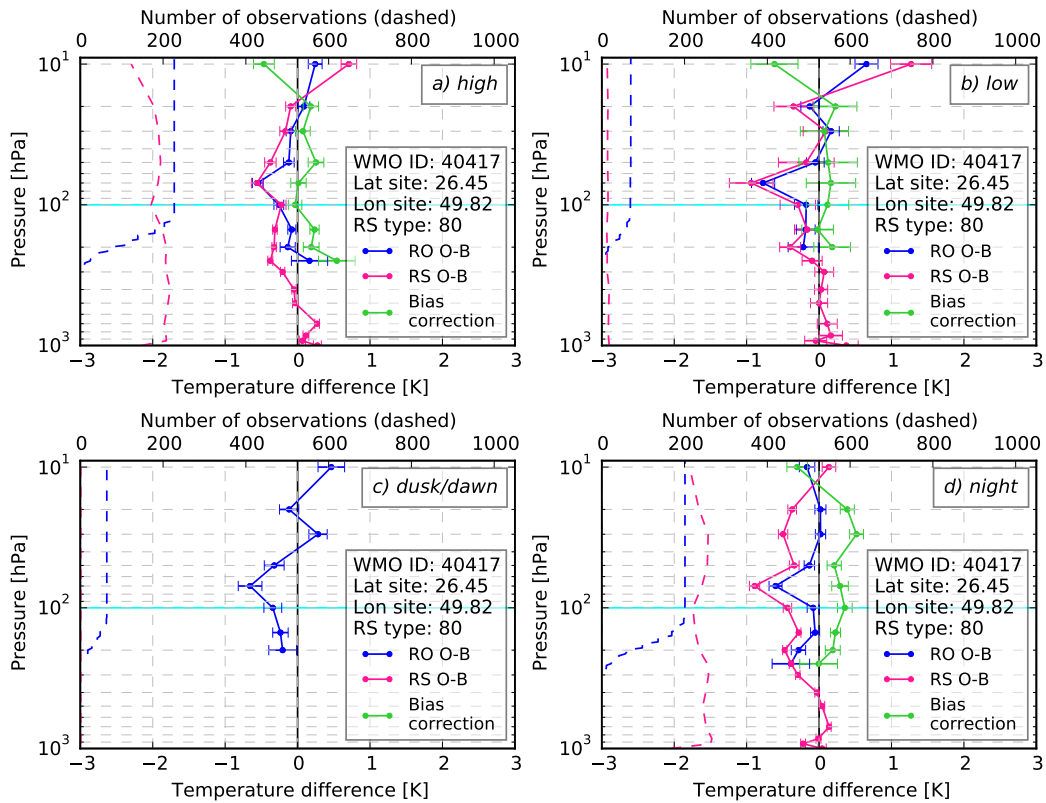
**Figure 1.232:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.233 WMO ID 40394



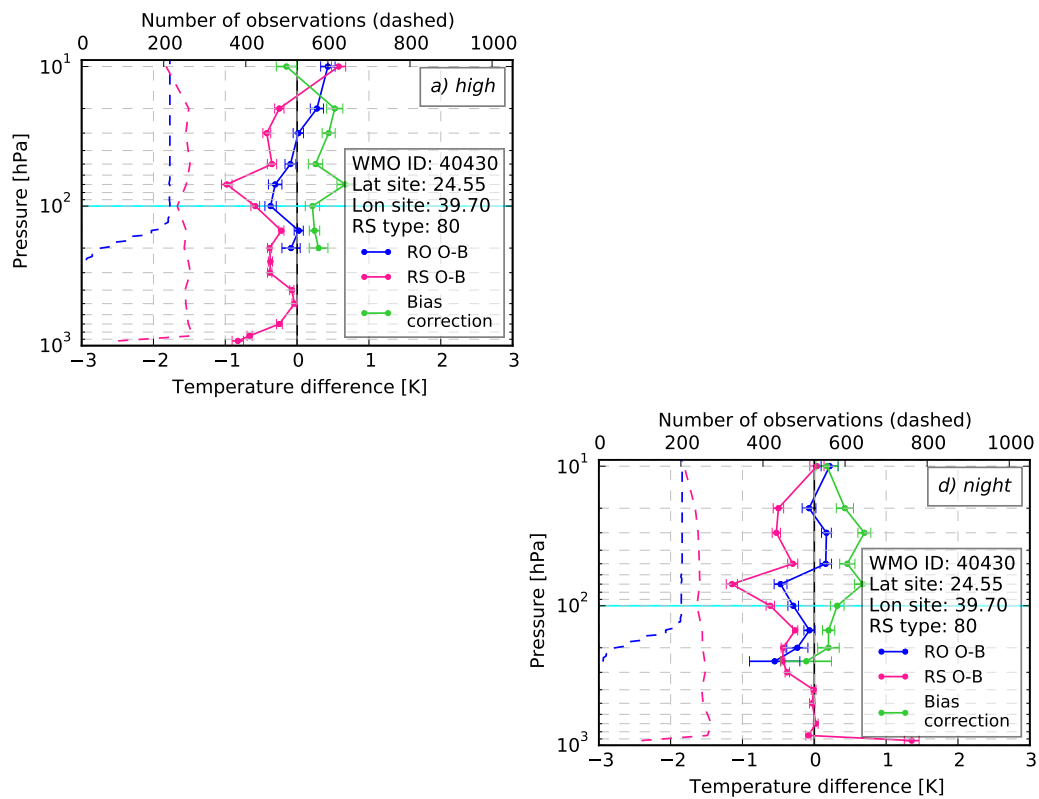
**Figure 1.233:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.234 WMO ID 40417



**Figure 1.234:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

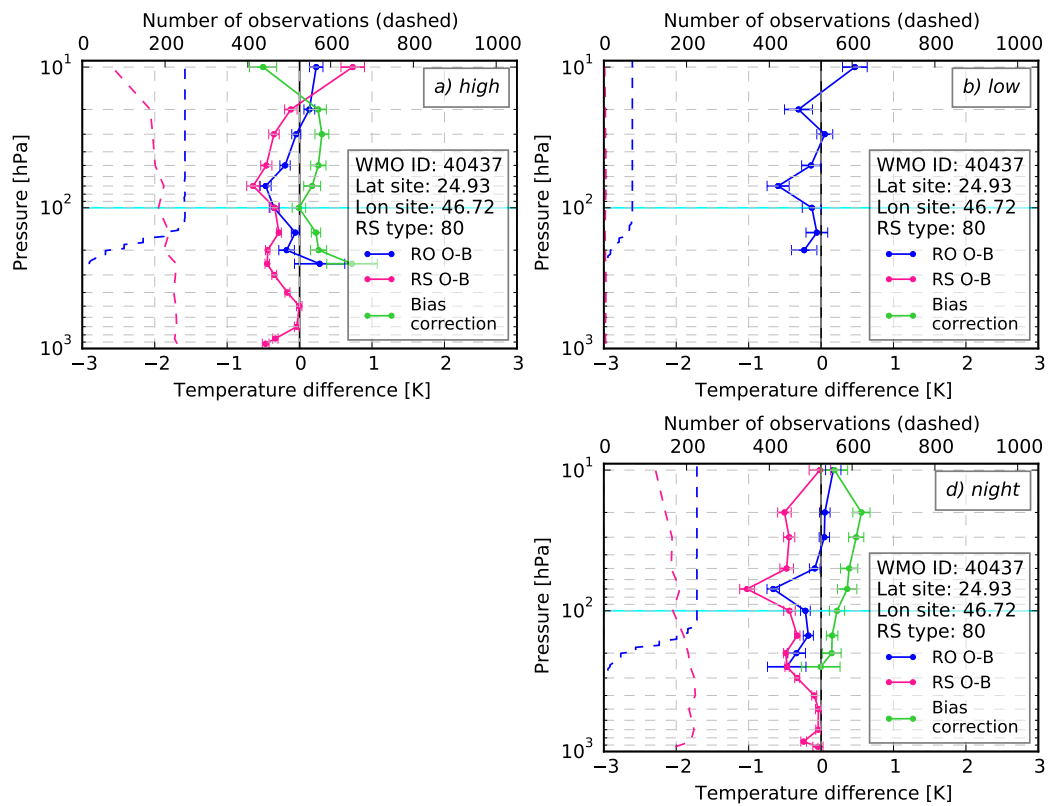
### 1.235 WMO ID 40430



**Figure 1.235:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

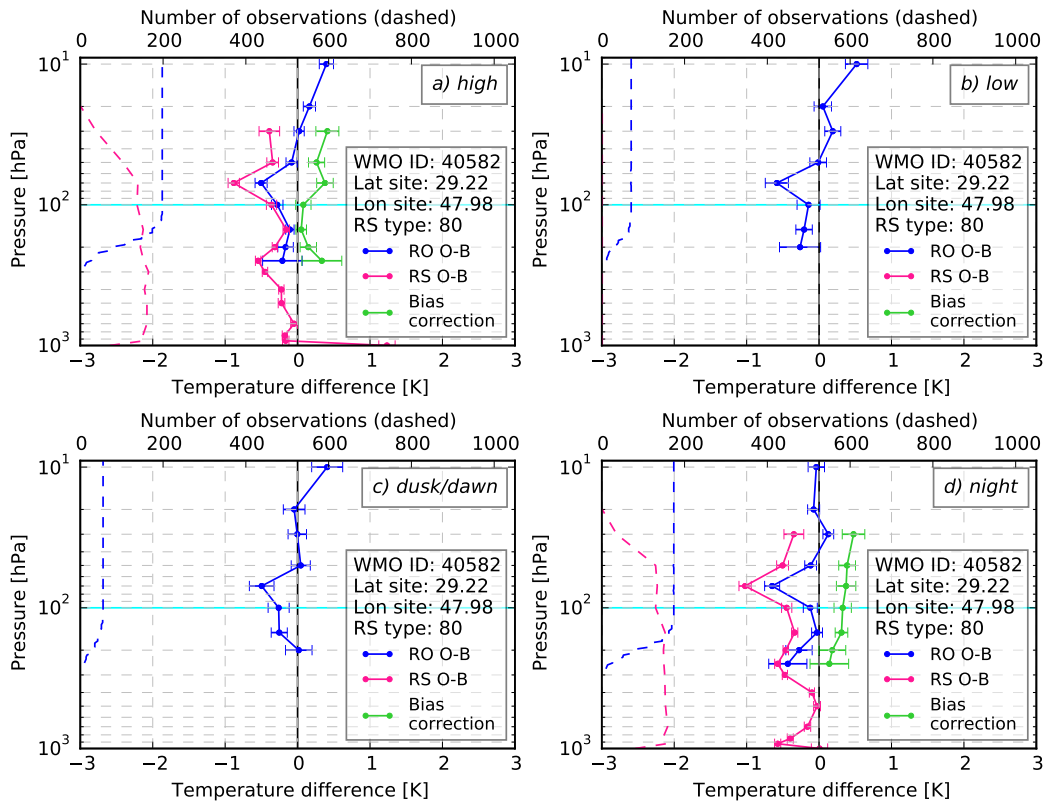


### 1.236 WMO ID 40437



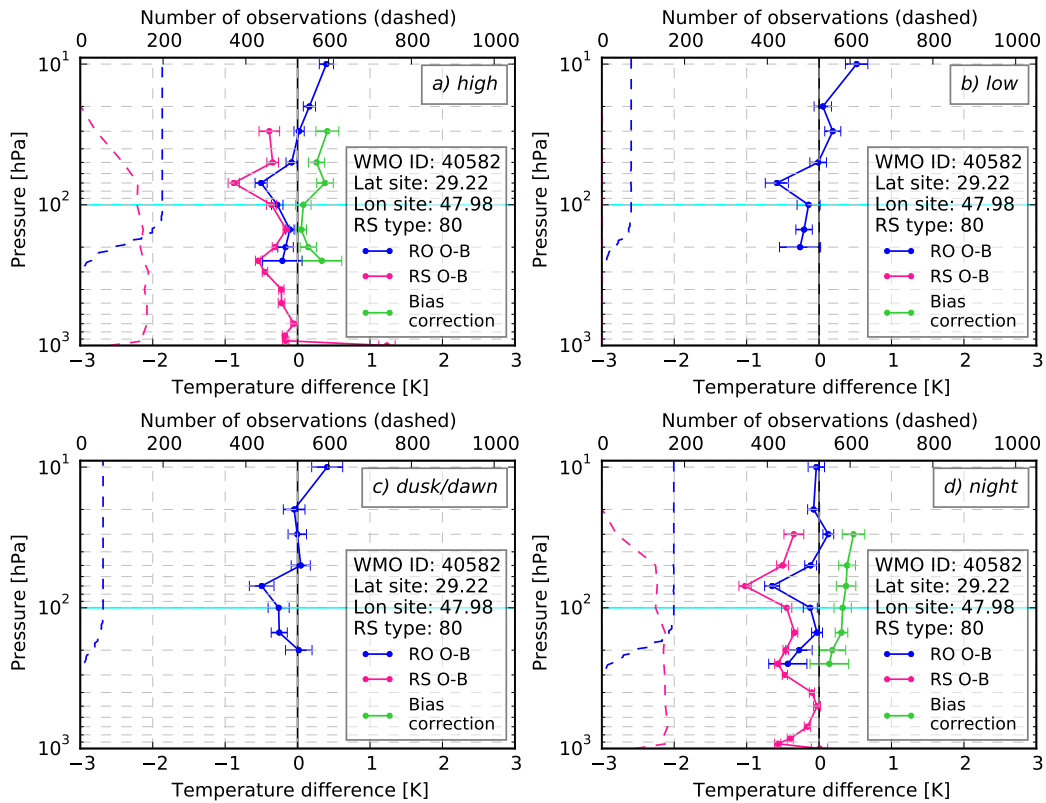
**Figure 1.236:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.237 WMO ID 40582



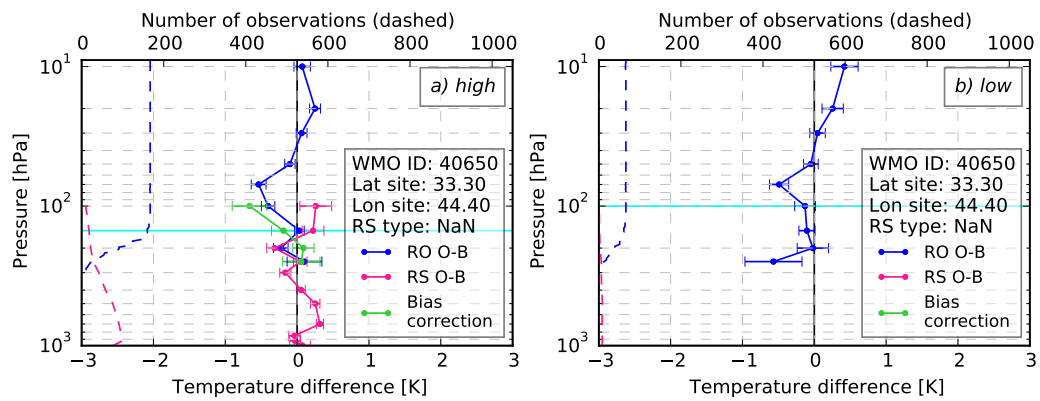
**Figure 1.237:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.238 WMO ID 40582



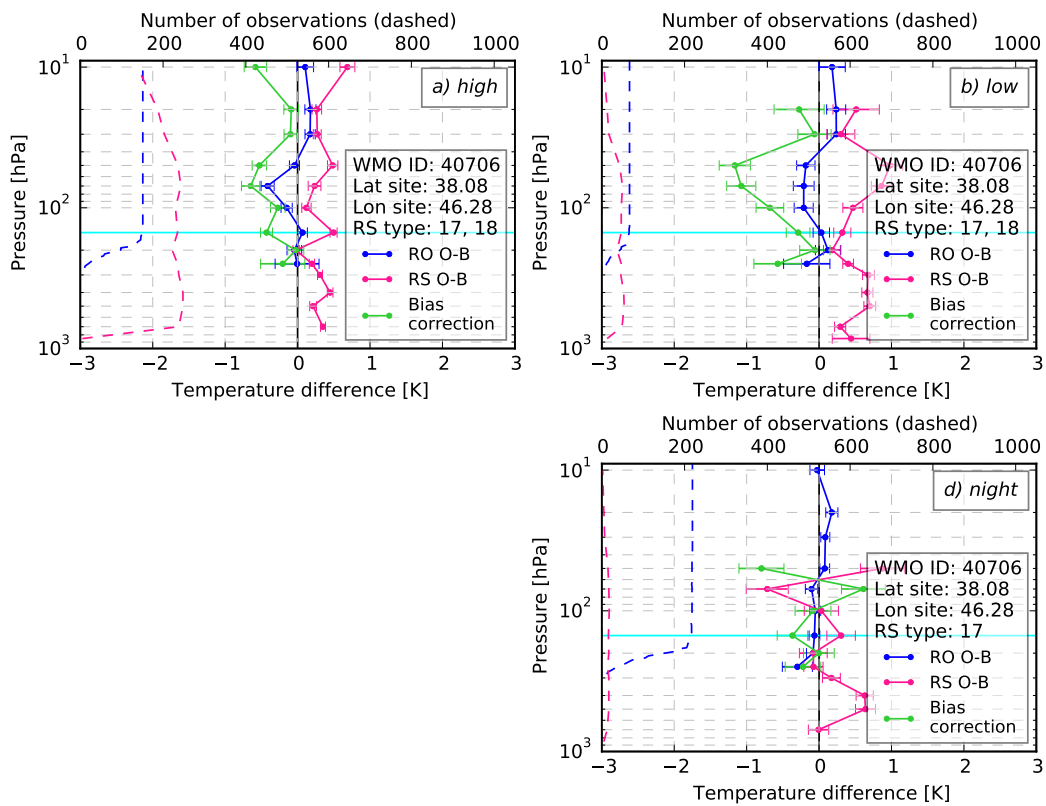
**Figure 1.238:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.239 WMO ID 40650



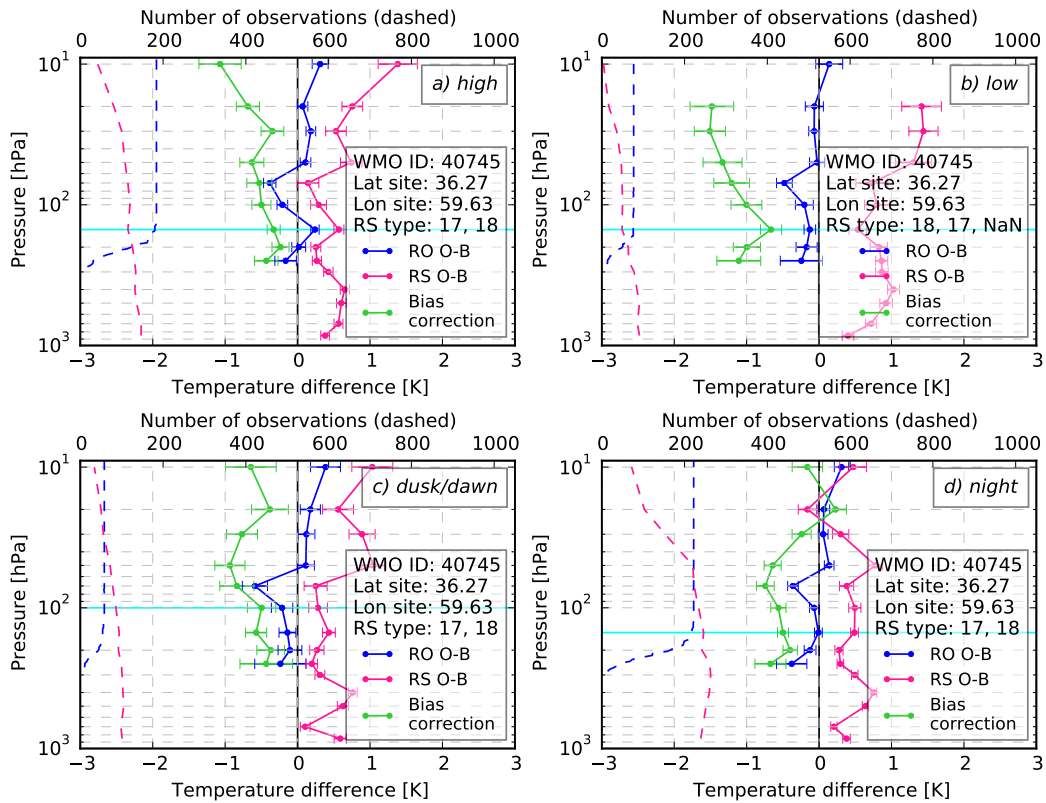
**Figure 1.239:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.240 WMO ID 40706



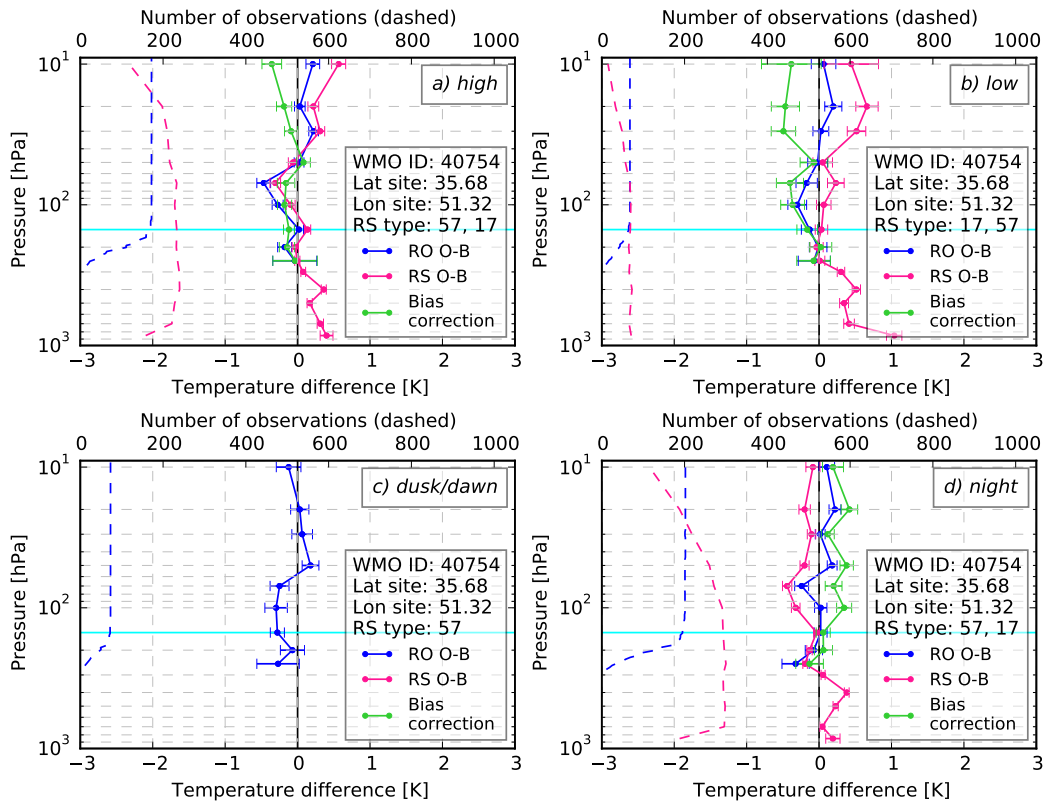
**Figure 1.240:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.241 WMO ID 40745



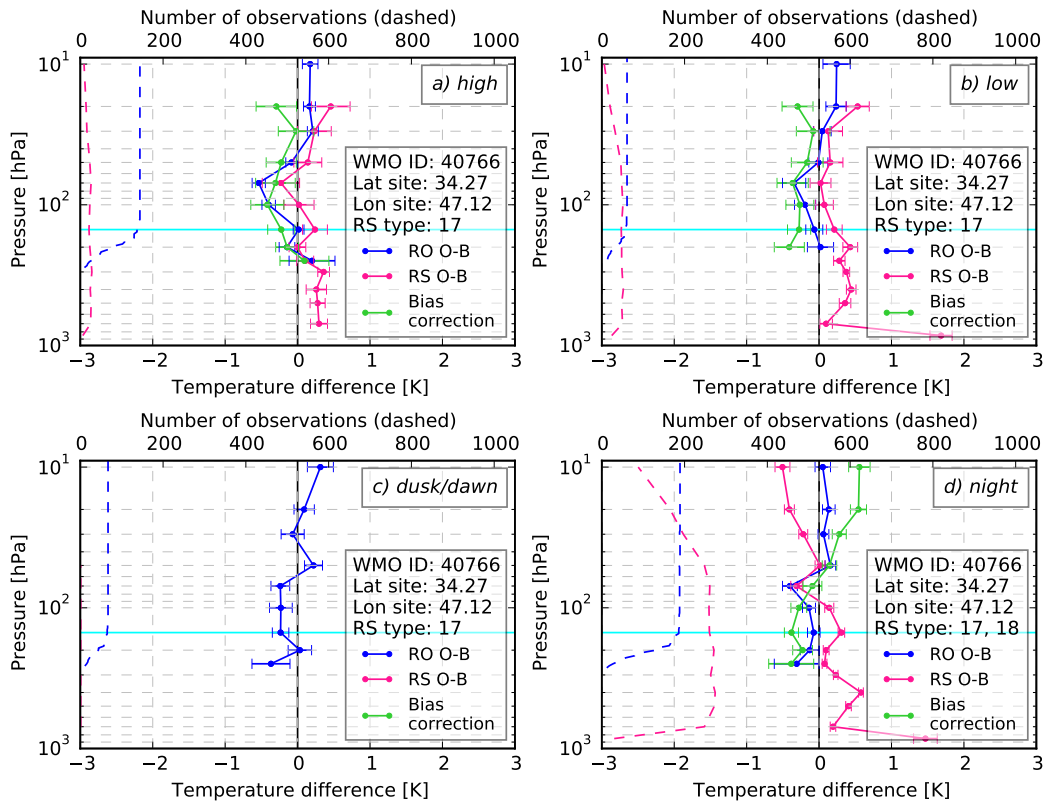
**Figure 1.241:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.242 WMO ID 40754



**Figure 1.242:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

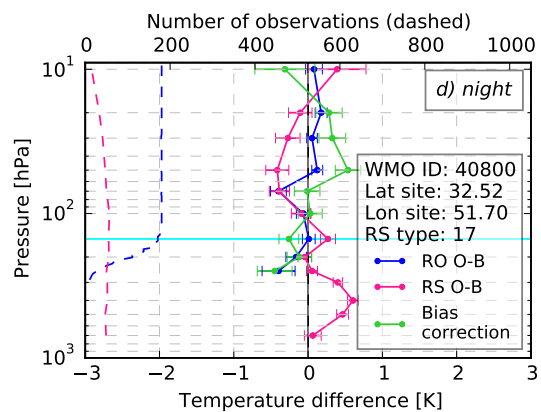
### 1.243 WMO ID 40766



**Figure 1.243:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

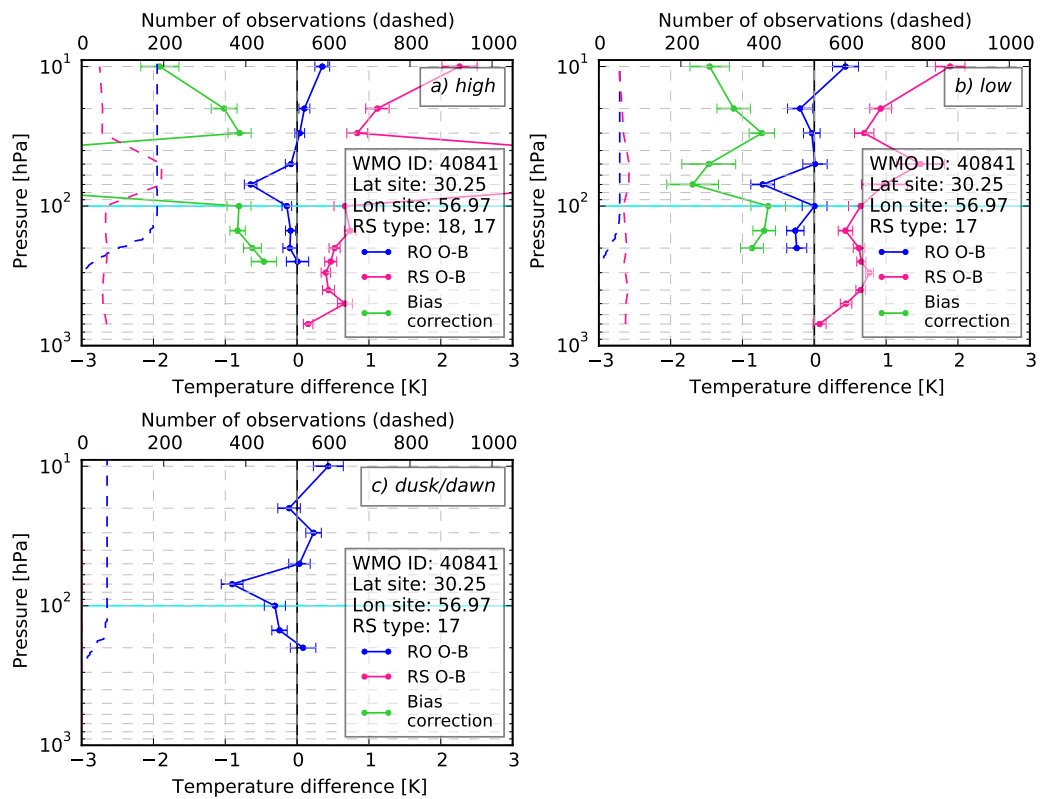


## 1.244 WMO ID 40800



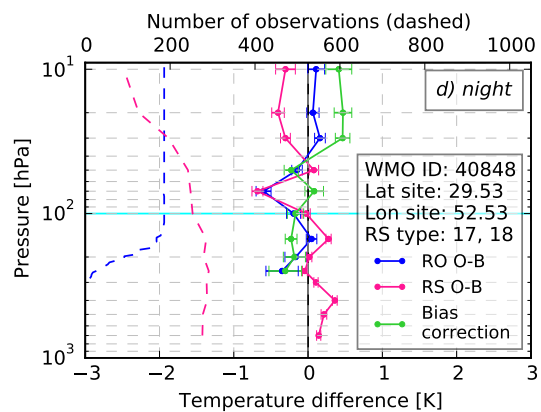
**Figure 1.244:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.245 WMO ID 40841



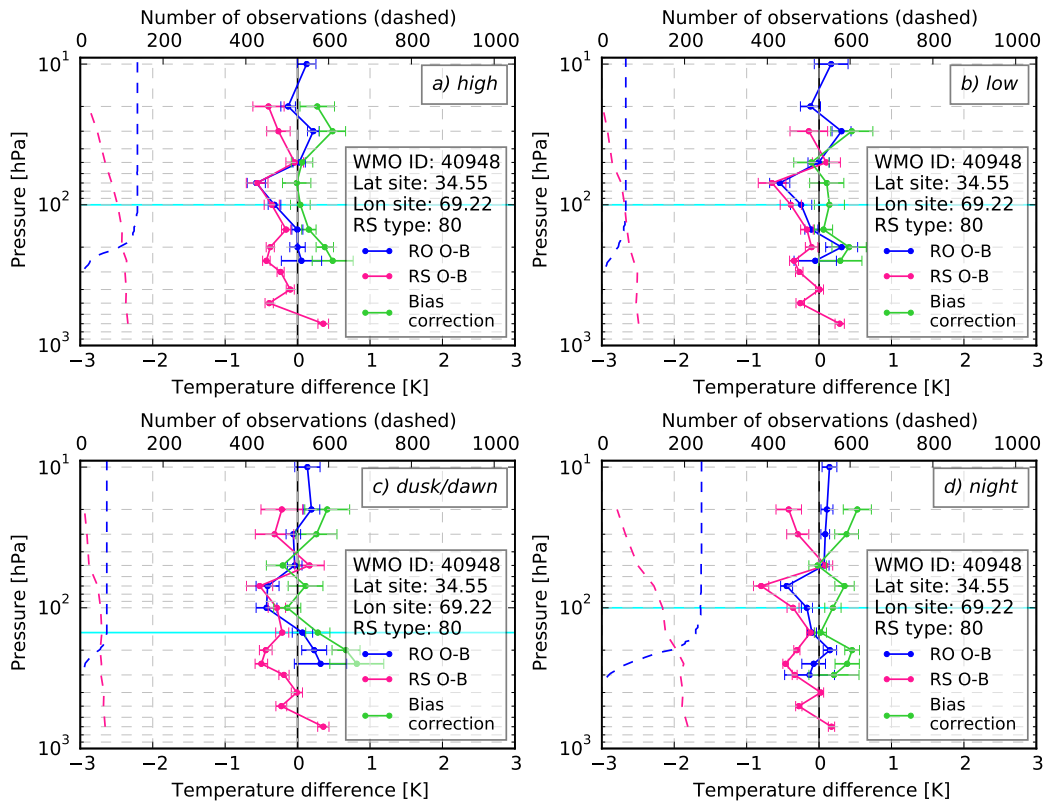
**Figure 1.245:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.246 WMO ID 40848



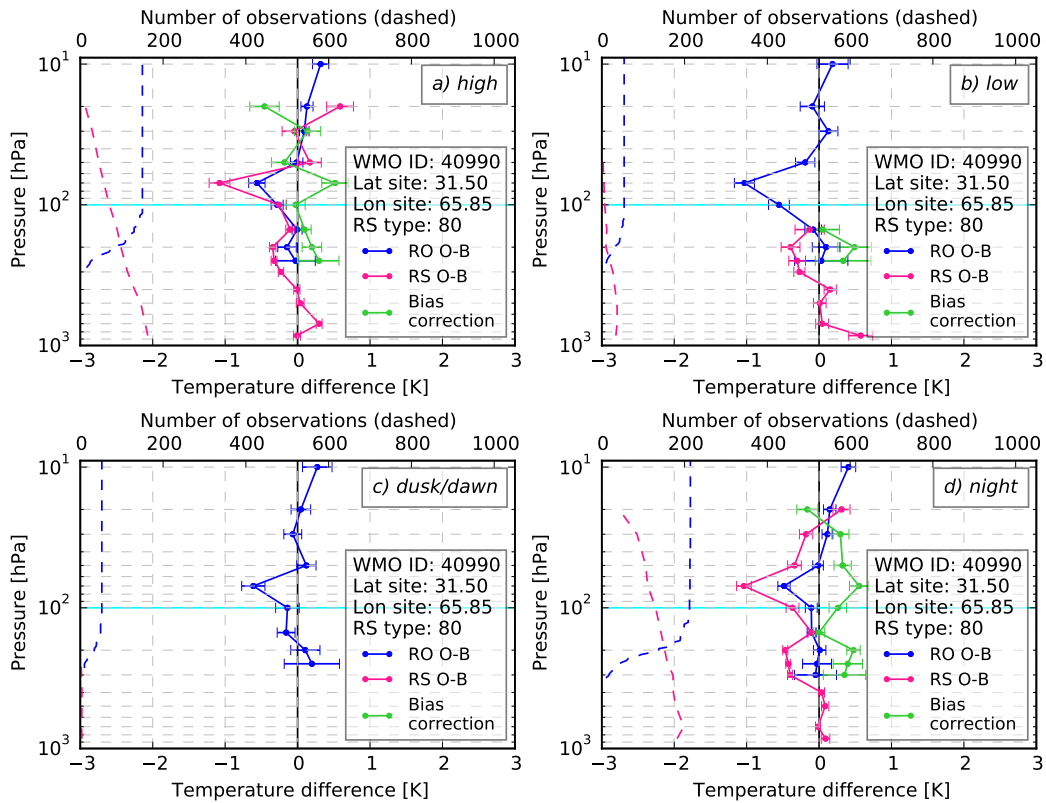
**Figure 1.246:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.247 WMO ID 40948



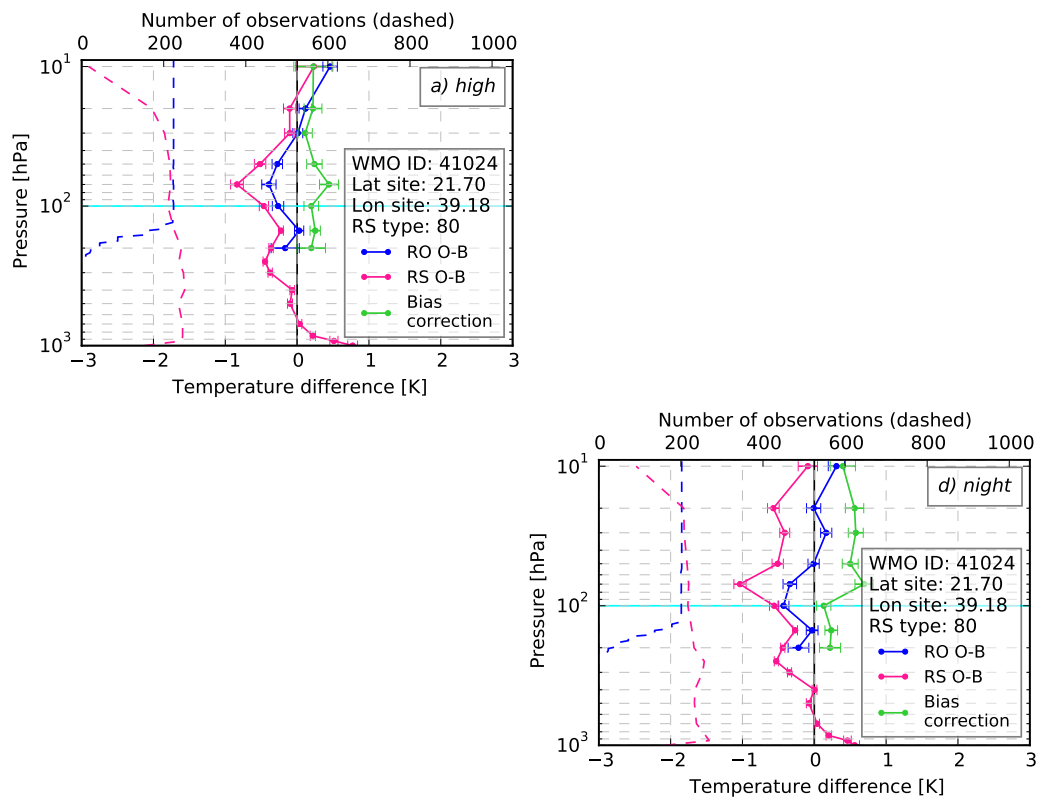
**Figure 1.247:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.248 WMO ID 40990



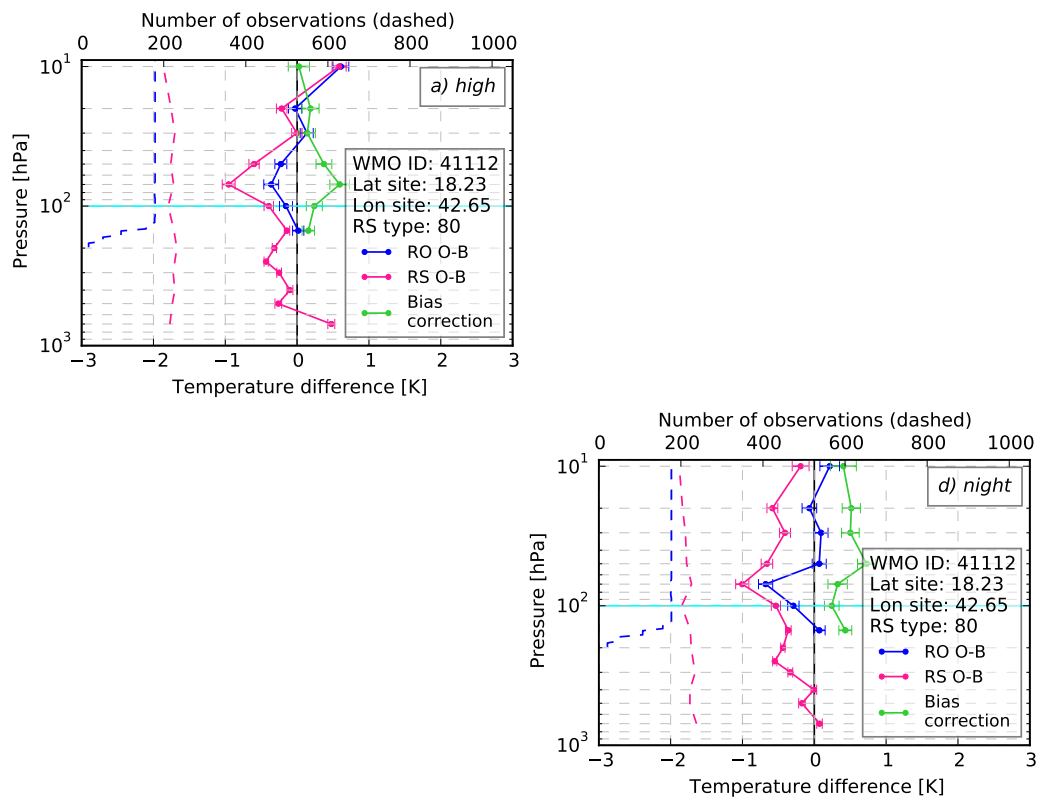
**Figure 1.248:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.249 WMO ID 41024



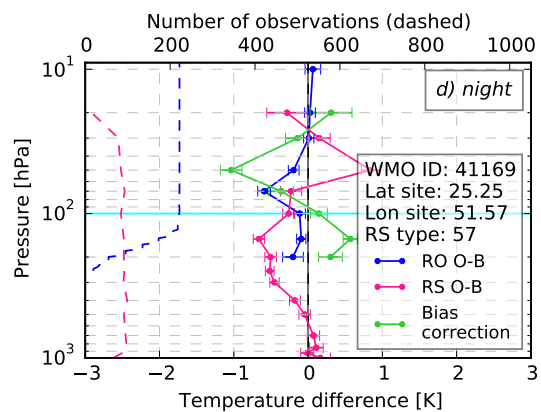
**Figure 1.249:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.250 WMO ID 41112



**Figure 1.250:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

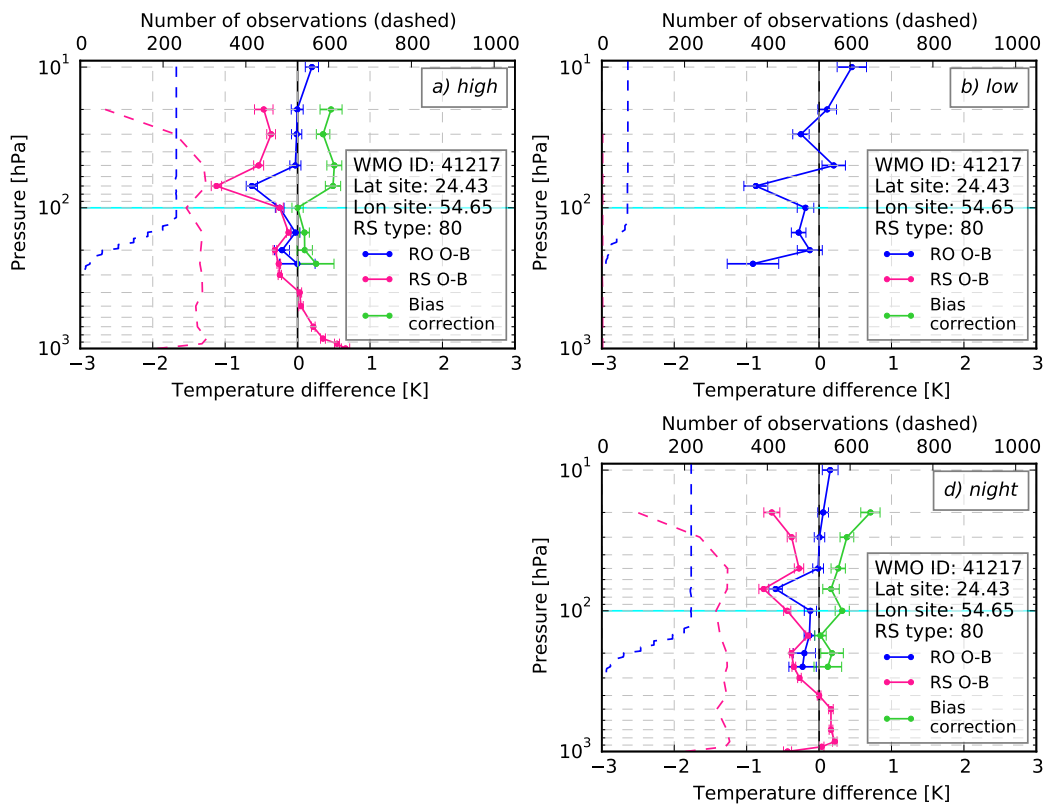
## 1.251 WMO ID 41169



**Figure 1.251:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

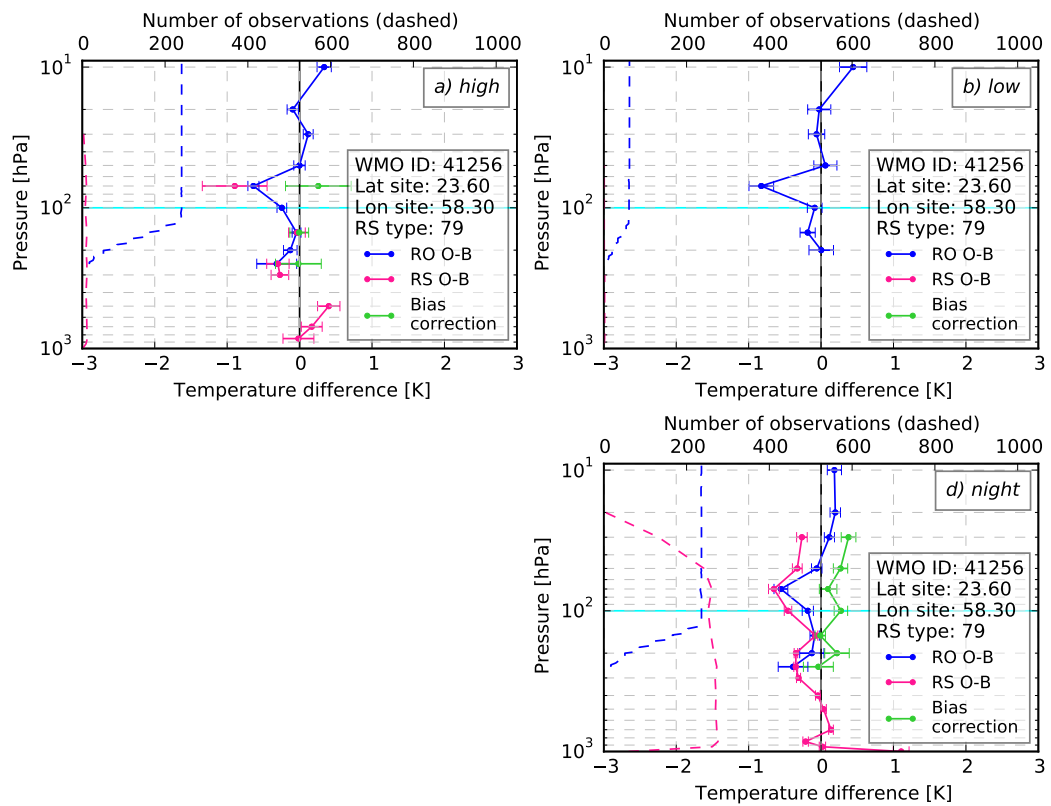


## 1.252 WMO ID 41217



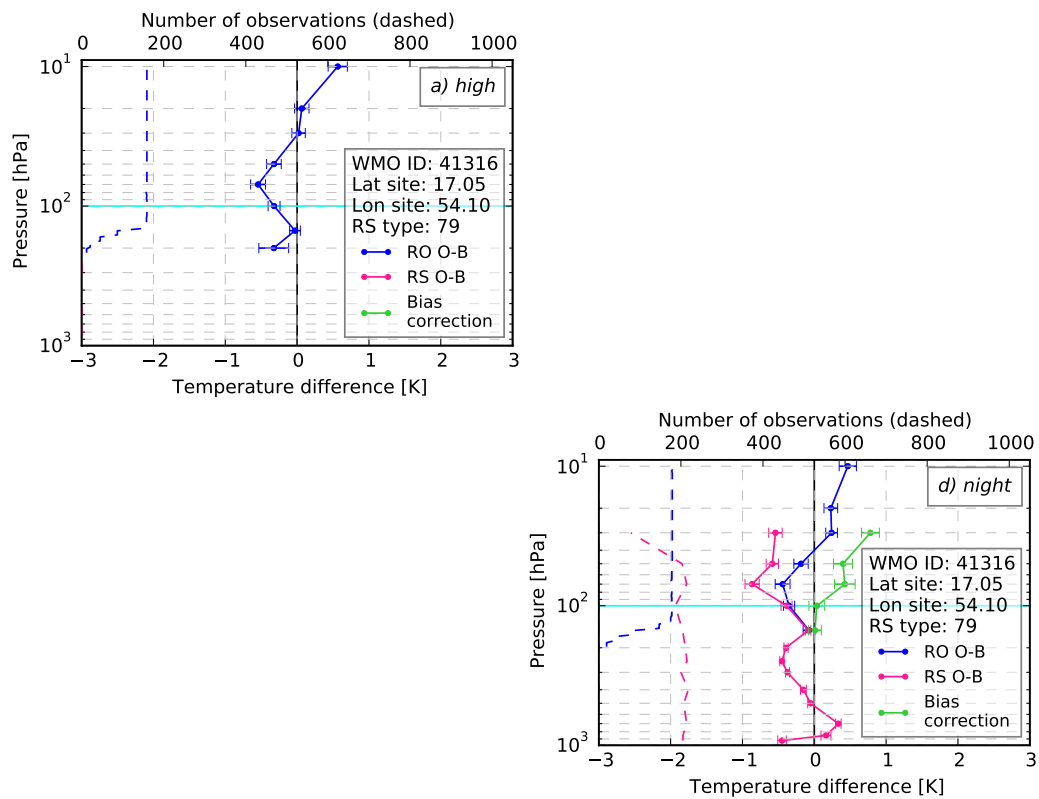
**Figure 1.252:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.253 WMO ID 41256



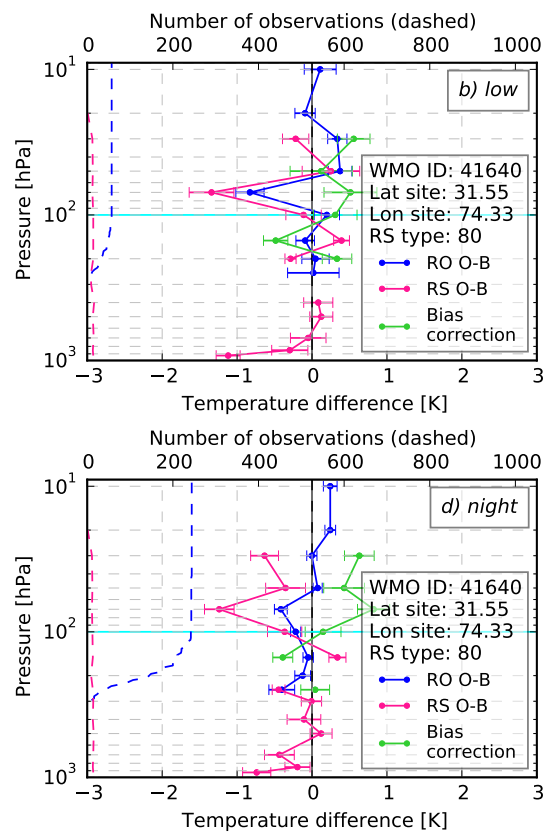
**Figure 1.253:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.254 WMO ID 41316



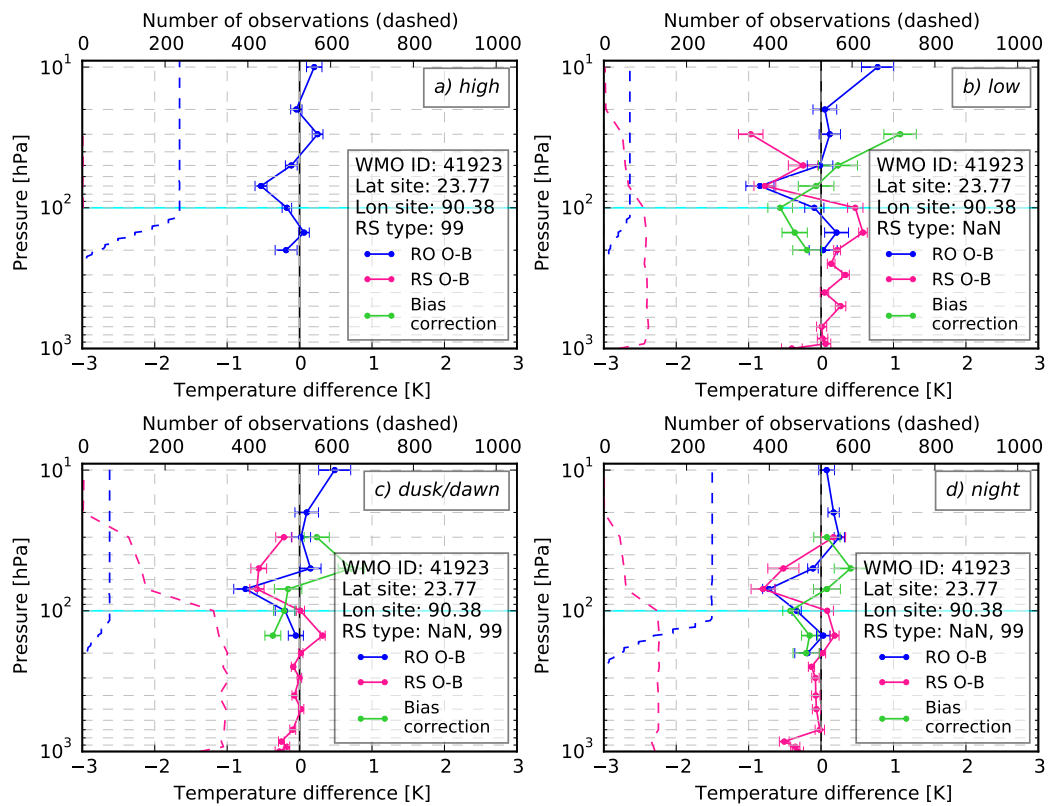
**Figure 1.254:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.255 WMO ID 41640



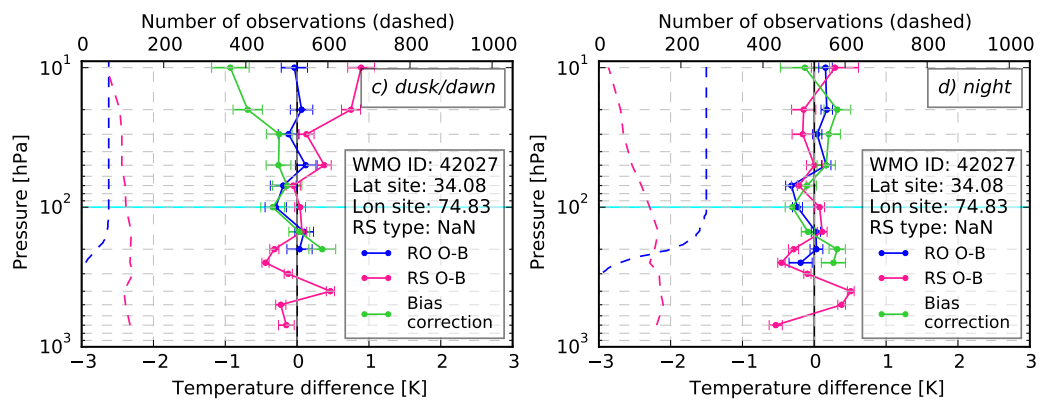
**Figure 1.255:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.256 WMO ID 41923



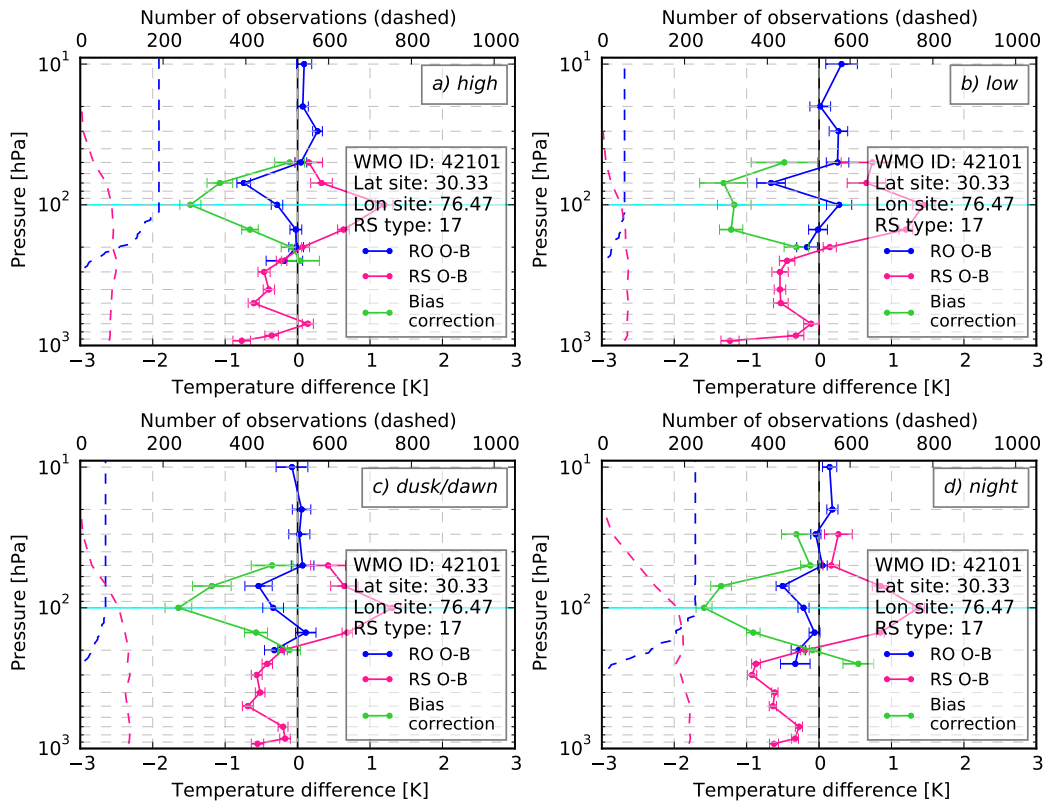
**Figure 1.256:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.257 WMO ID 42027



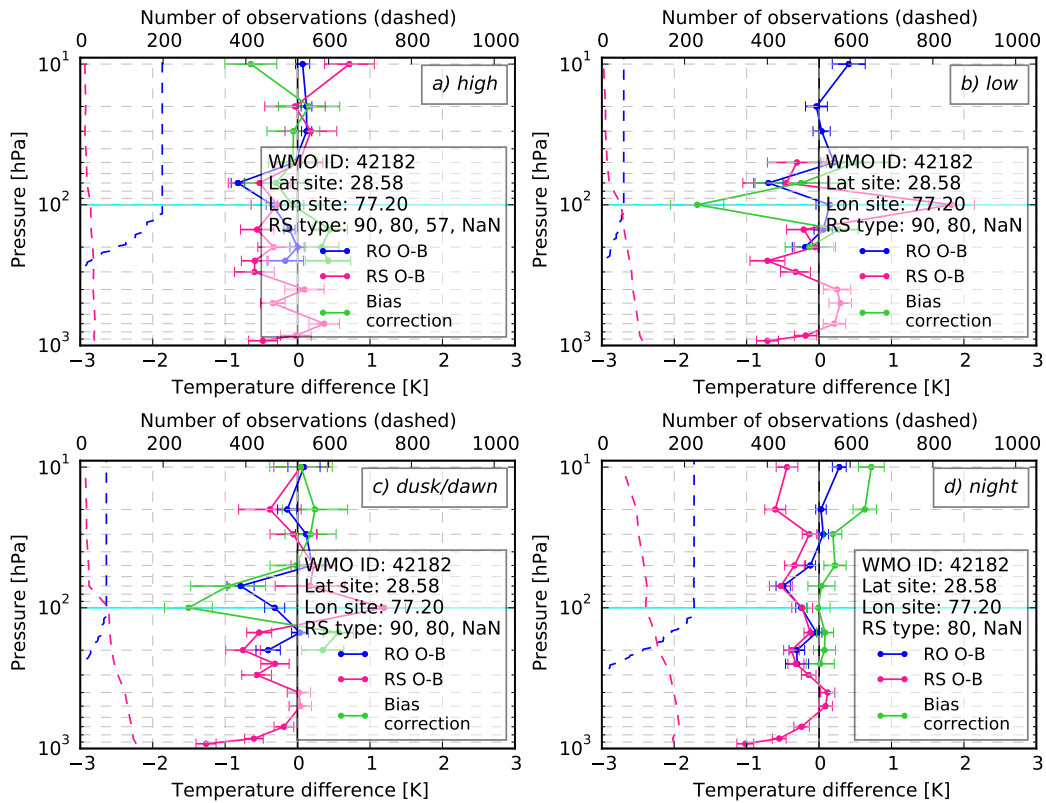
**Figure 1.257:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.258 WMO ID 42101



**Figure 1.258:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

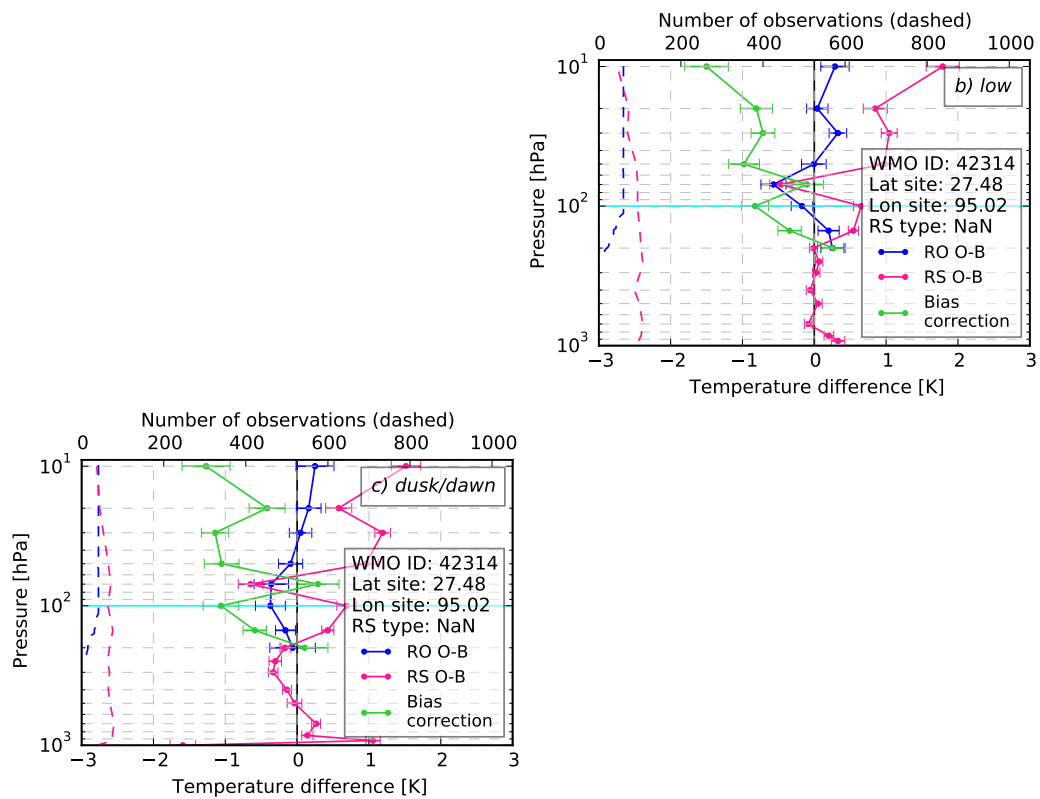
### 1.259 WMO ID 42182



**Figure 1.259:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

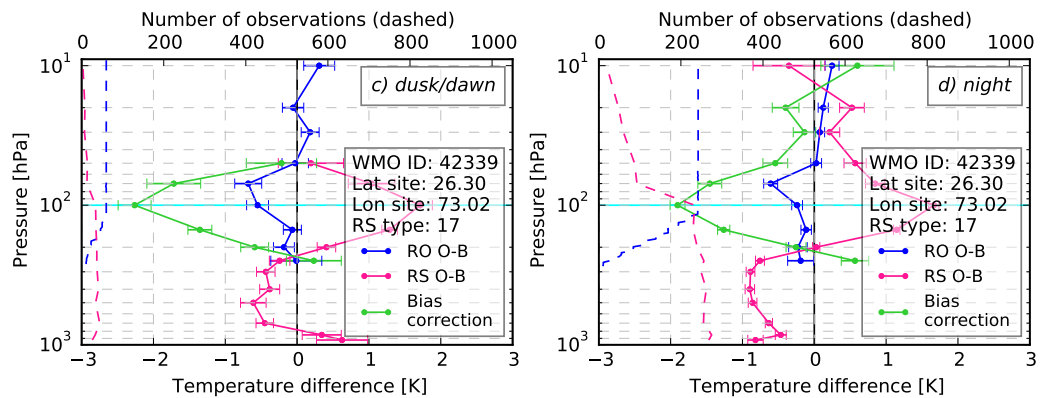


## 1.260 WMO ID 42314



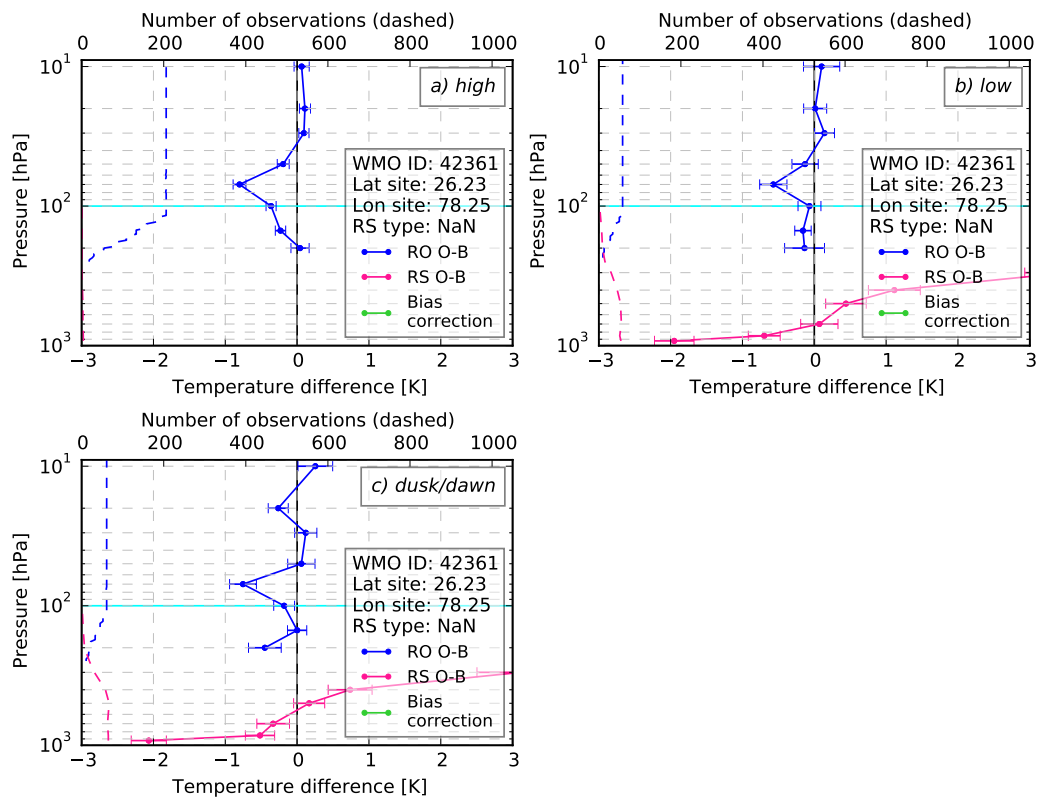
**Figure 1.260:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.261 WMO ID 42339



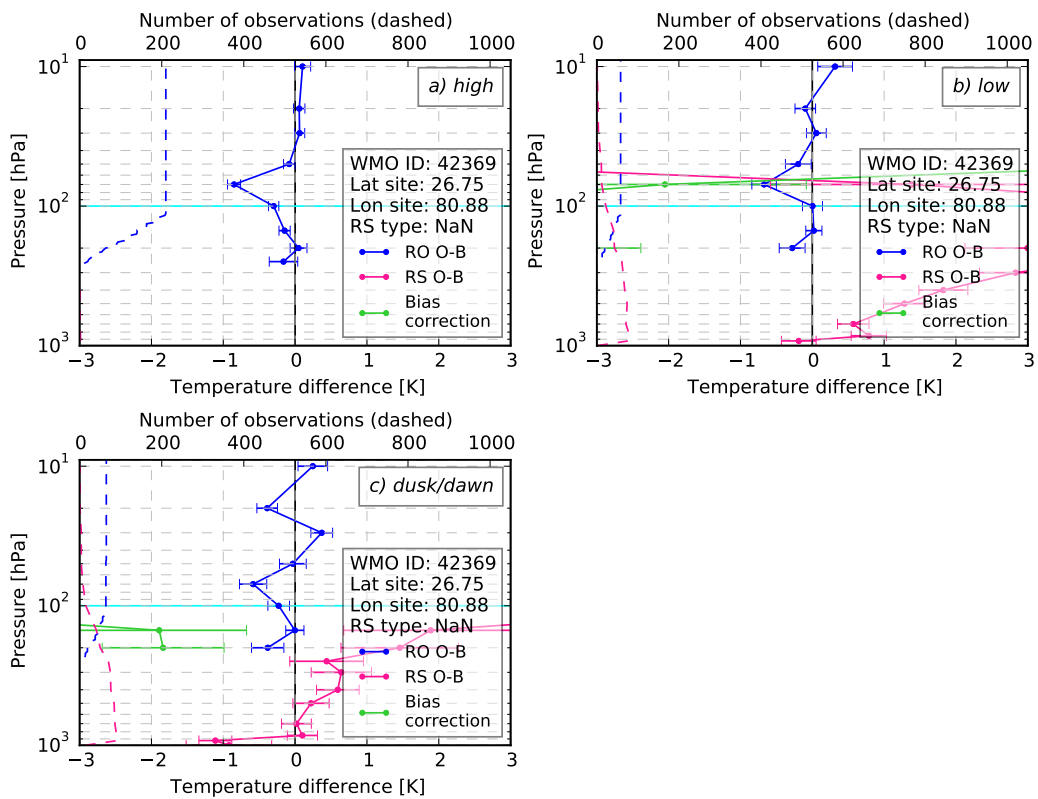
**Figure 1.261:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.262 WMO ID 42361



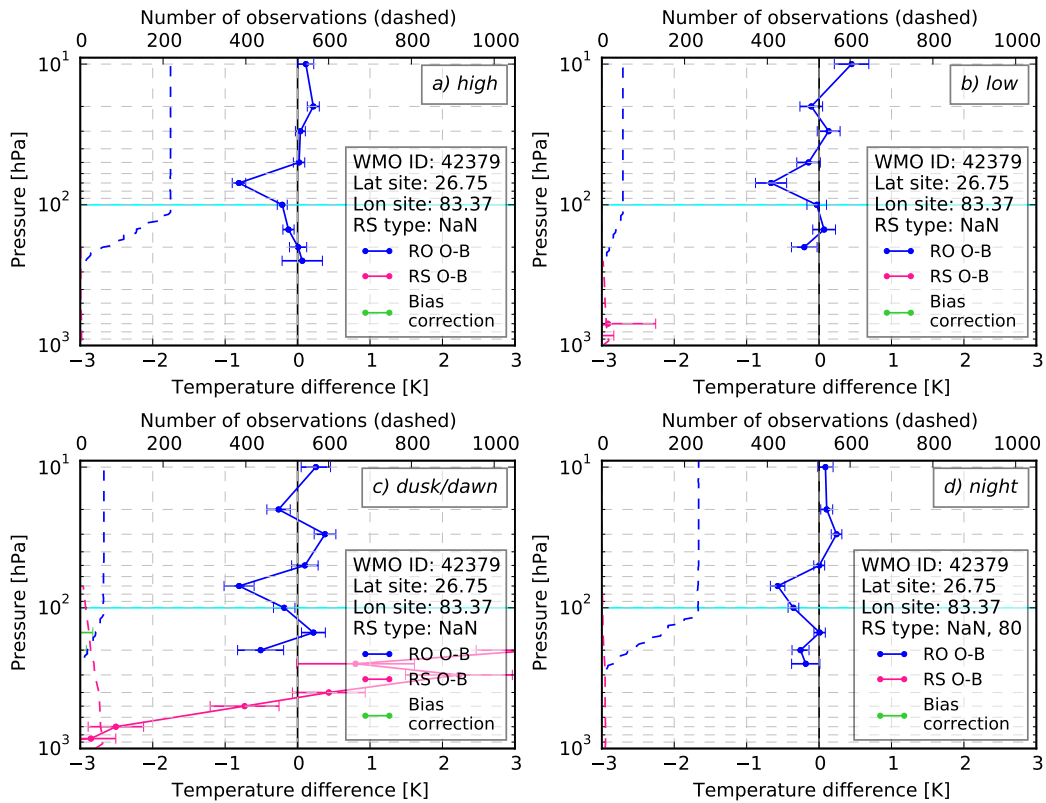
**Figure 1.262:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.263 WMO ID 42369



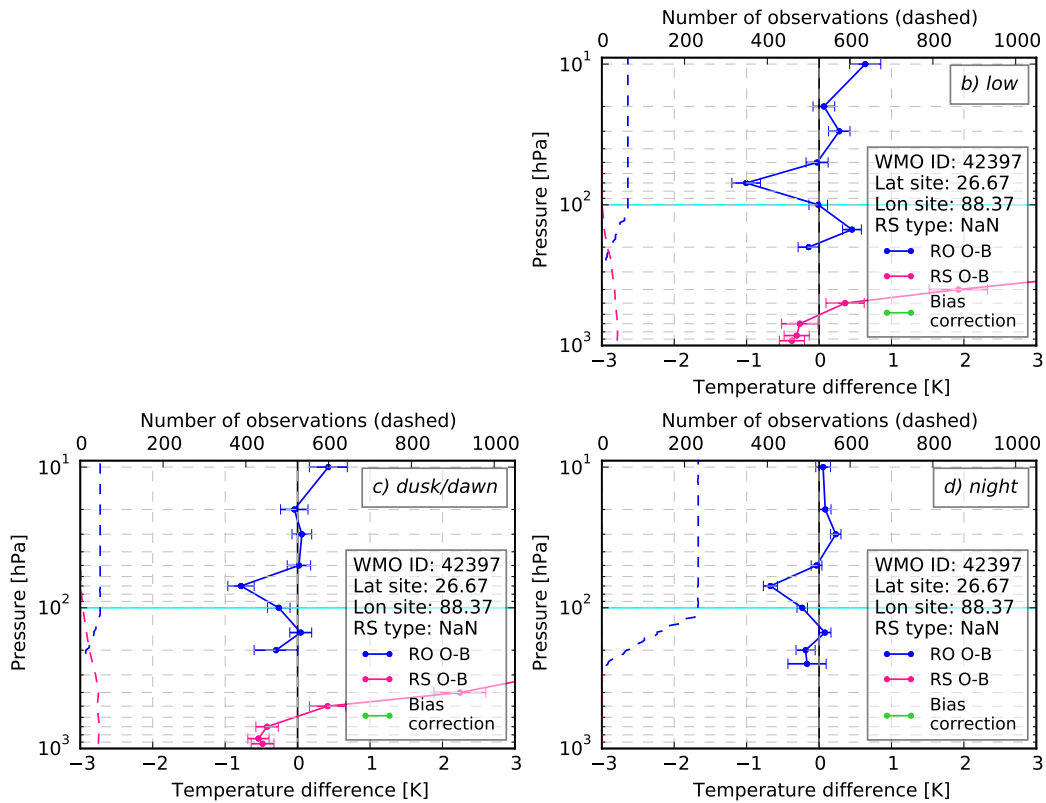
**Figure 1.263:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.264 WMO ID 42379



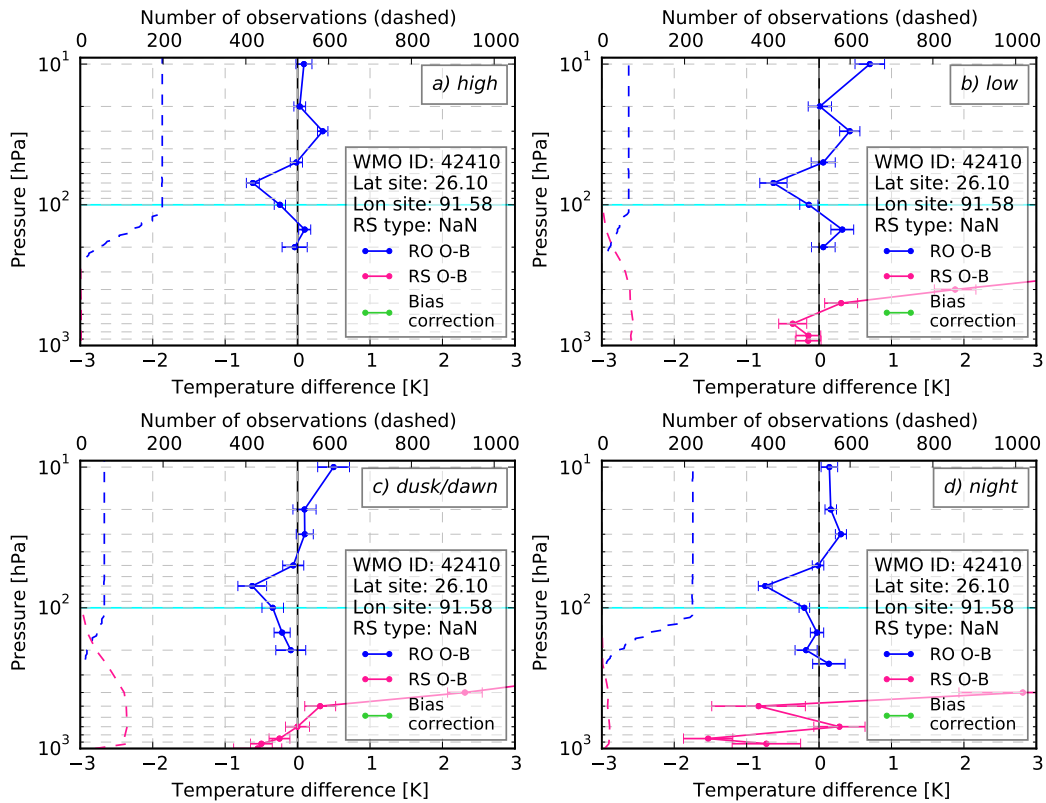
**Figure 1.264:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.265 WMO ID 42397



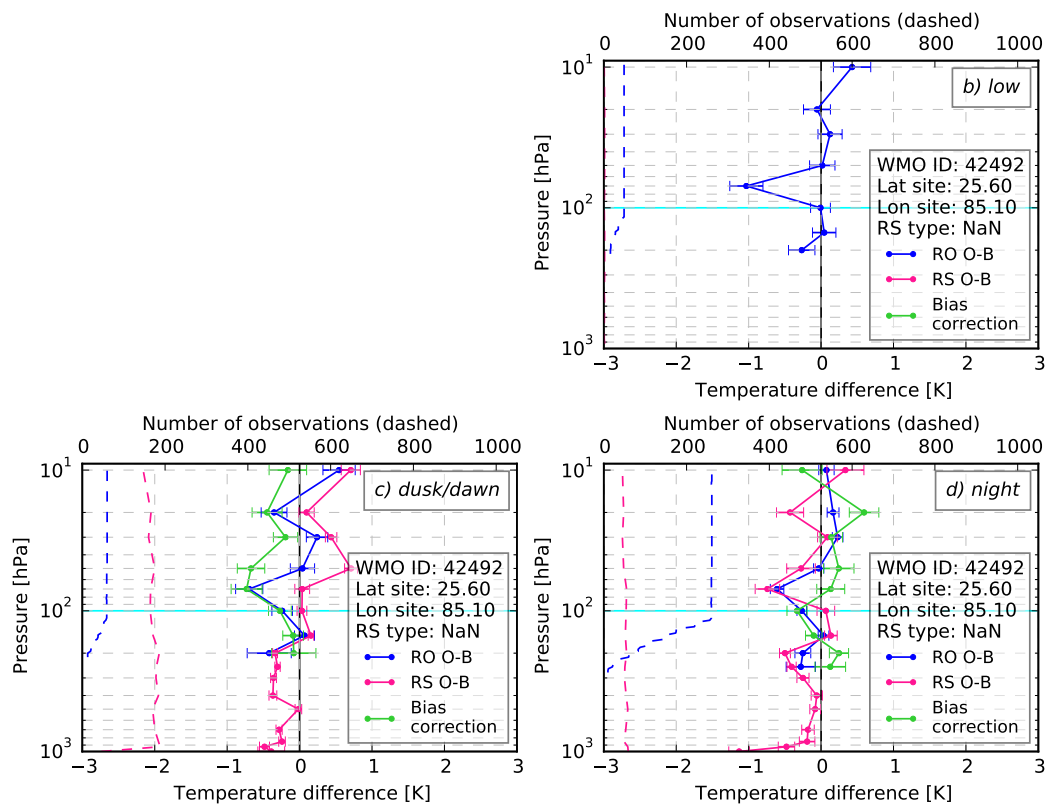
**Figure 1.265:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.266 WMO ID 42410



**Figure 1.266:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

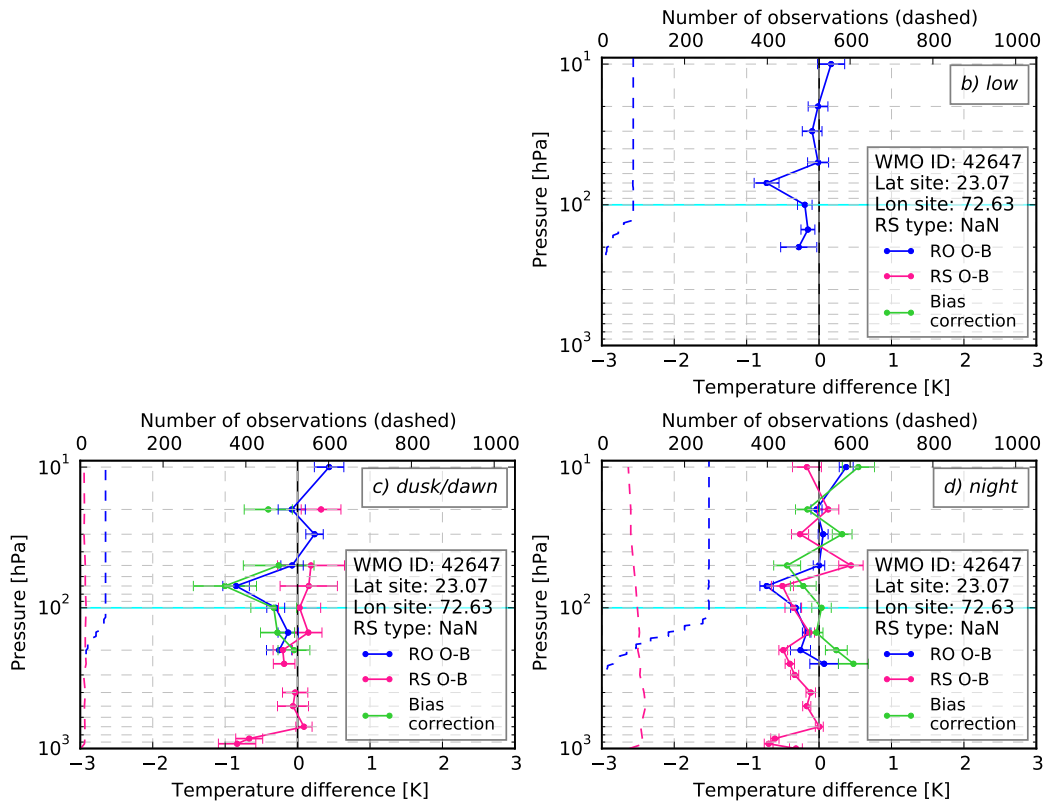
### 1.267 WMO ID 42492



**Figure 1.267:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

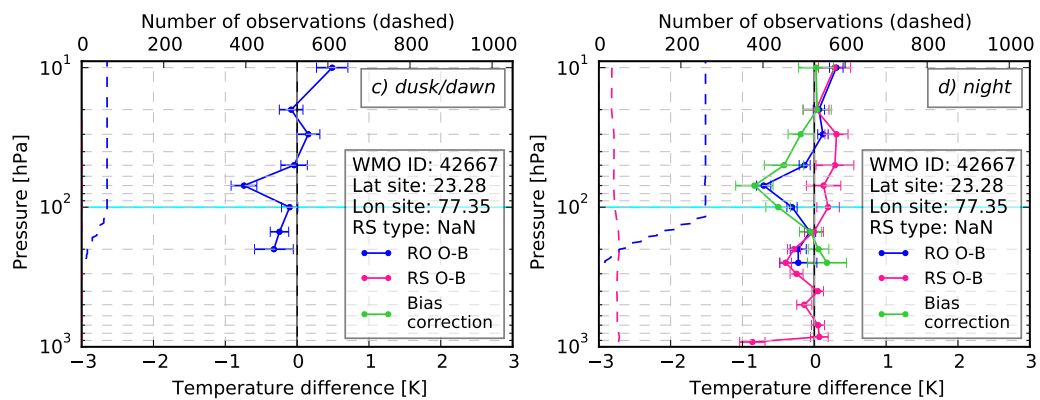


### 1.268 WMO ID 42647



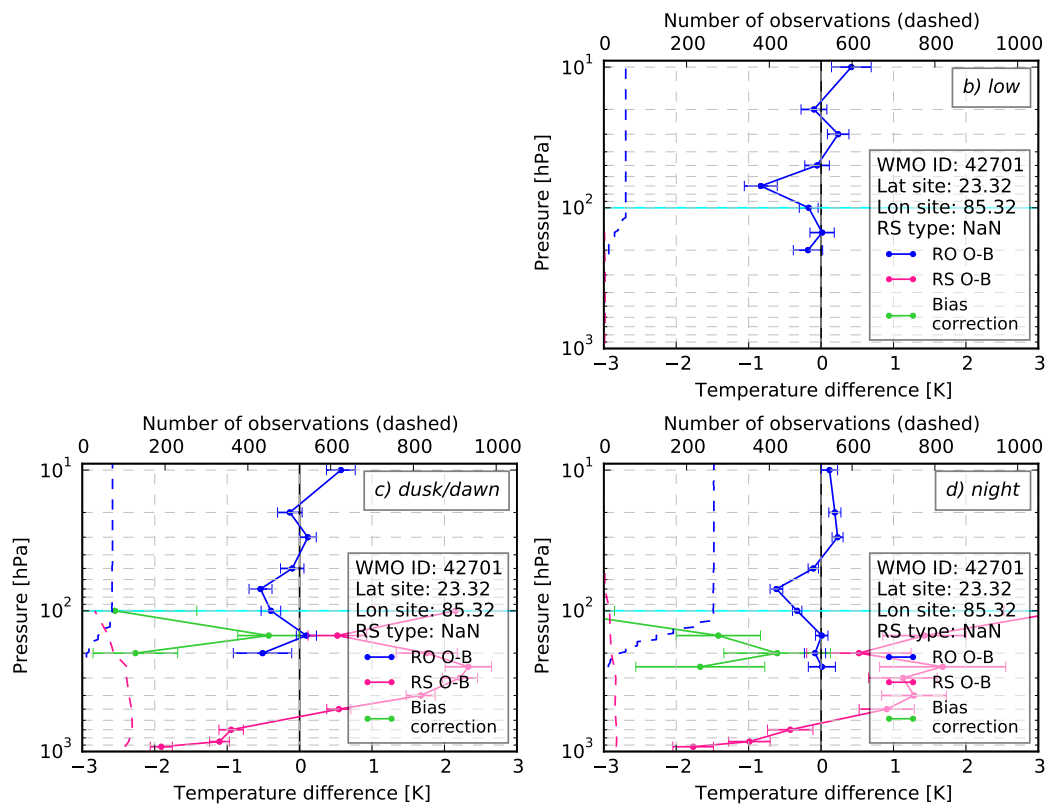
**Figure 1.268:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.269 WMO ID 42667



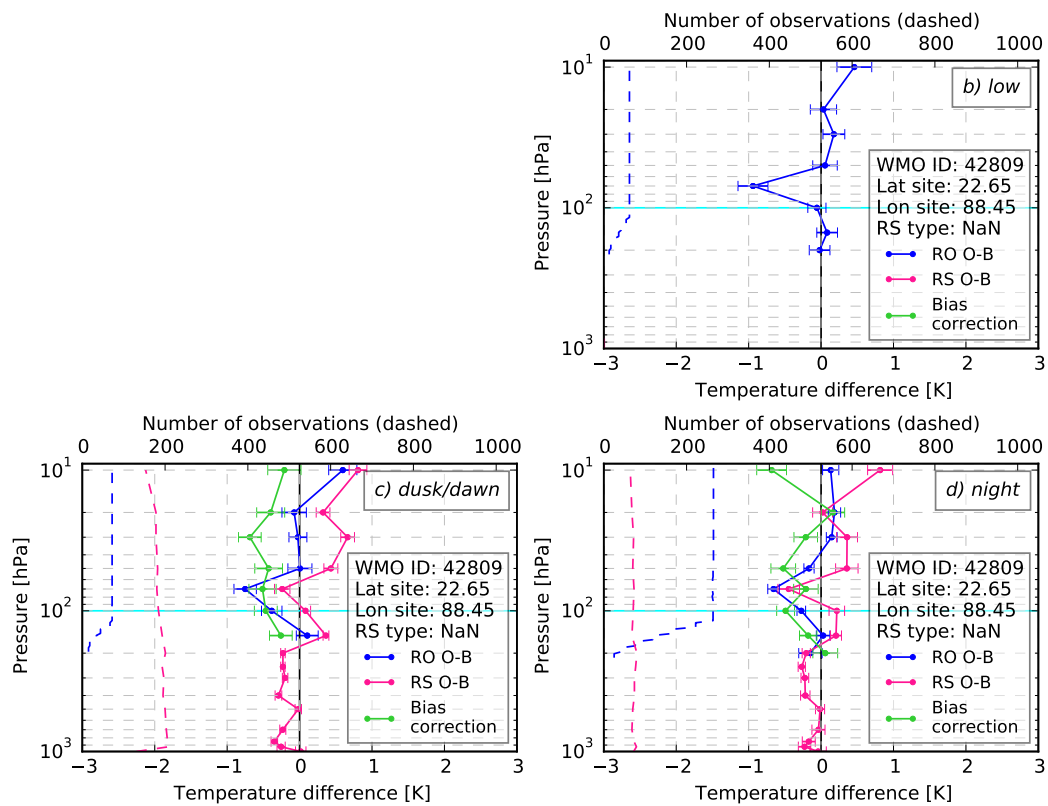
**Figure 1.269:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.270 WMO ID 42701



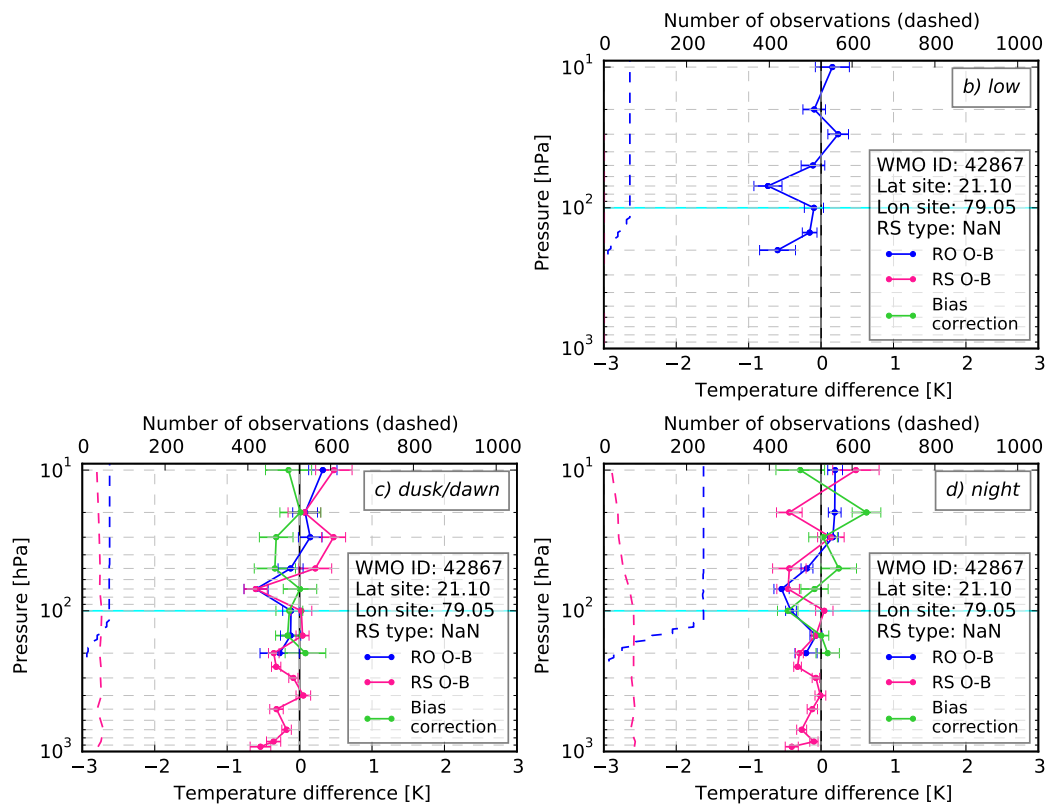
**Figure 1.270:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.271 WMO ID 42809



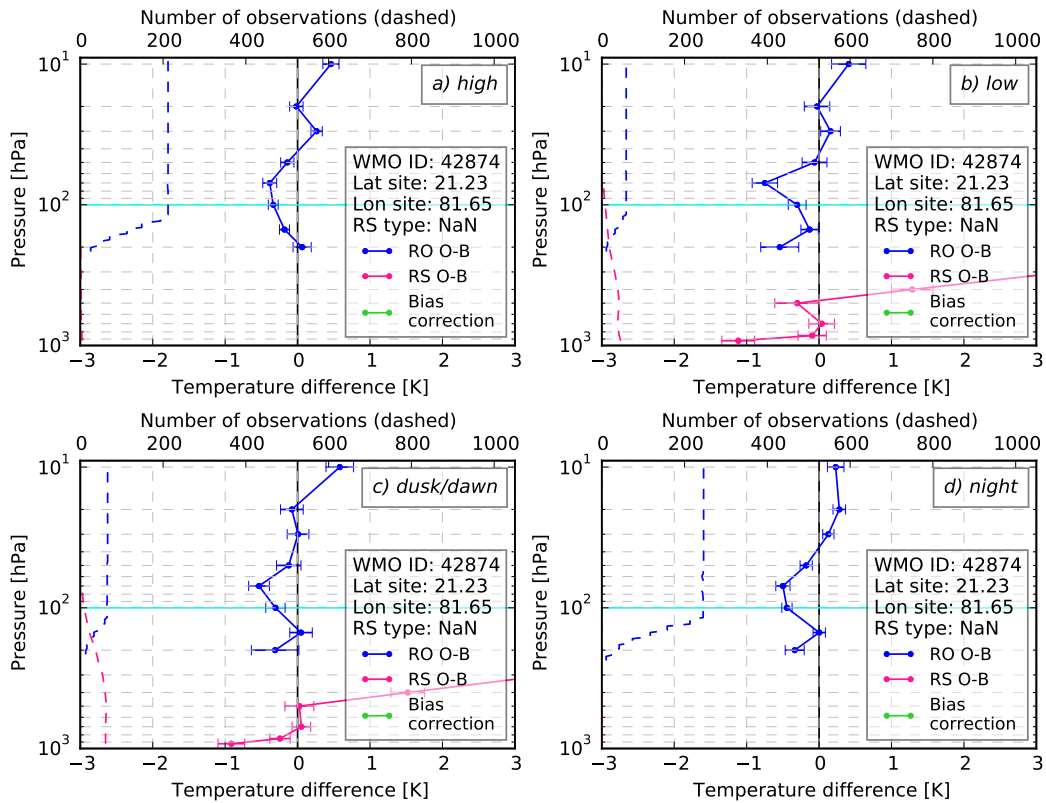
**Figure 1.271:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.272 WMO ID 42867



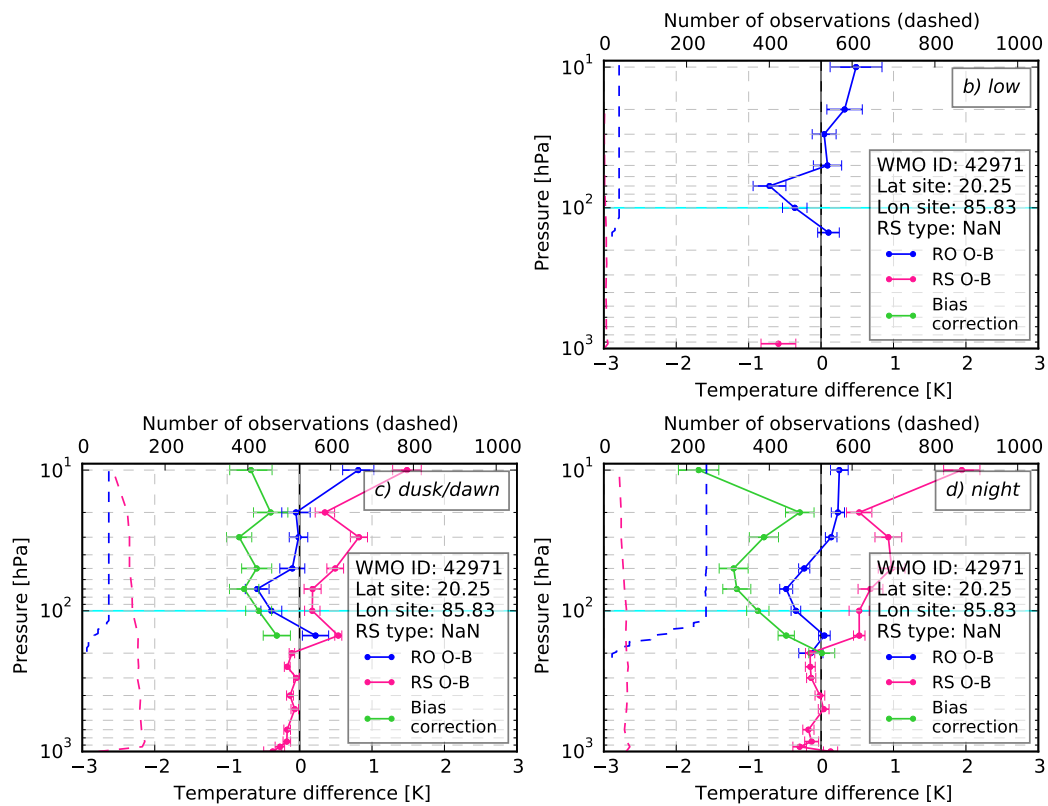
**Figure 1.272:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.273 WMO ID 42874



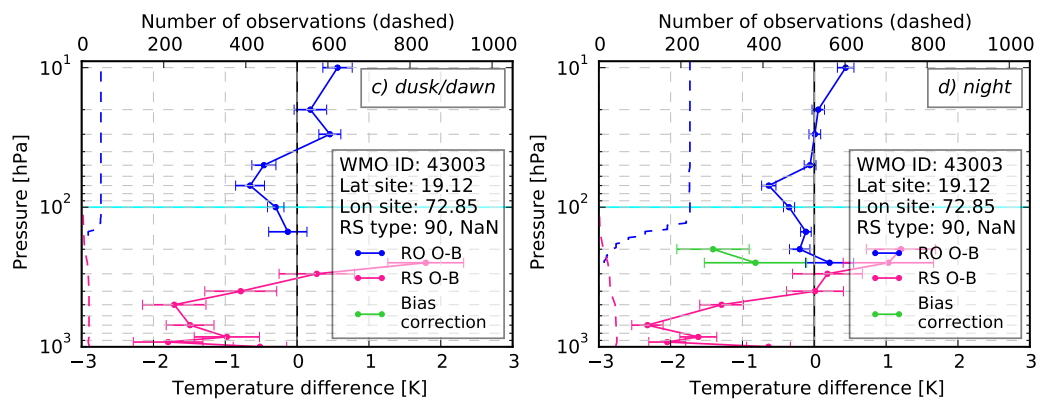
**Figure 1.273:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.274 WMO ID 42971



**Figure 1.274:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

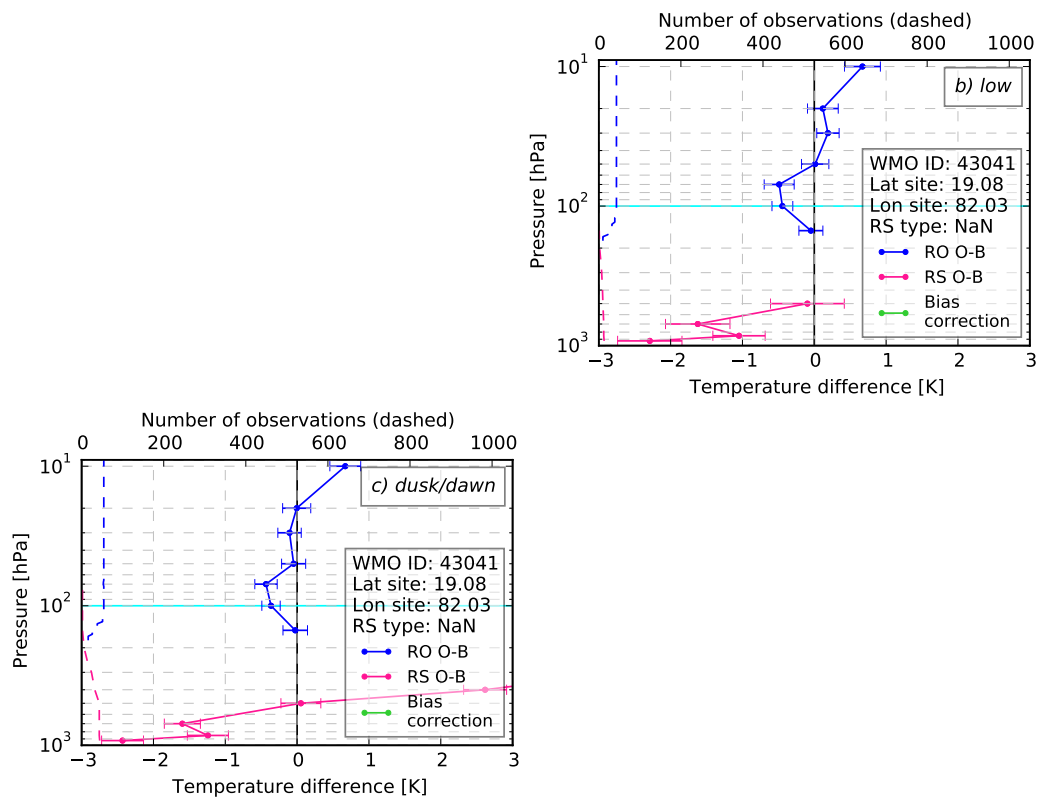
### 1.275 WMO ID 43003



**Figure 1.275:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

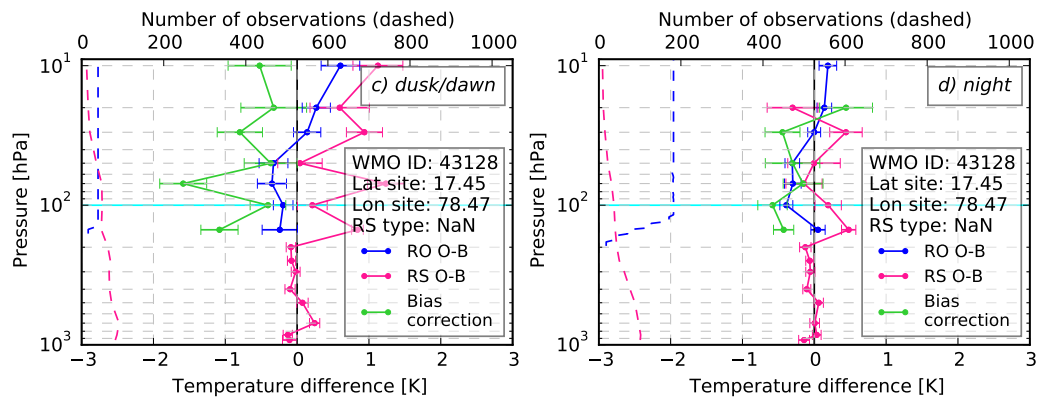


### 1.276 WMO ID 43041



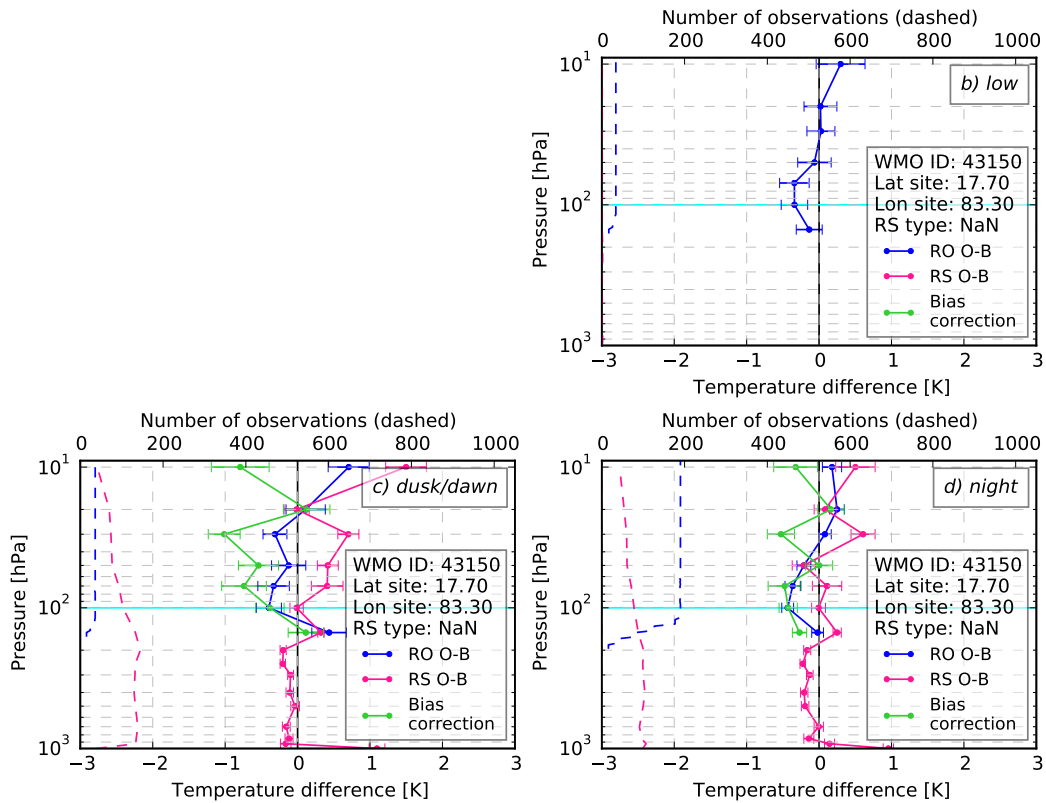
**Figure 1.276:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.277 WMO ID 43128



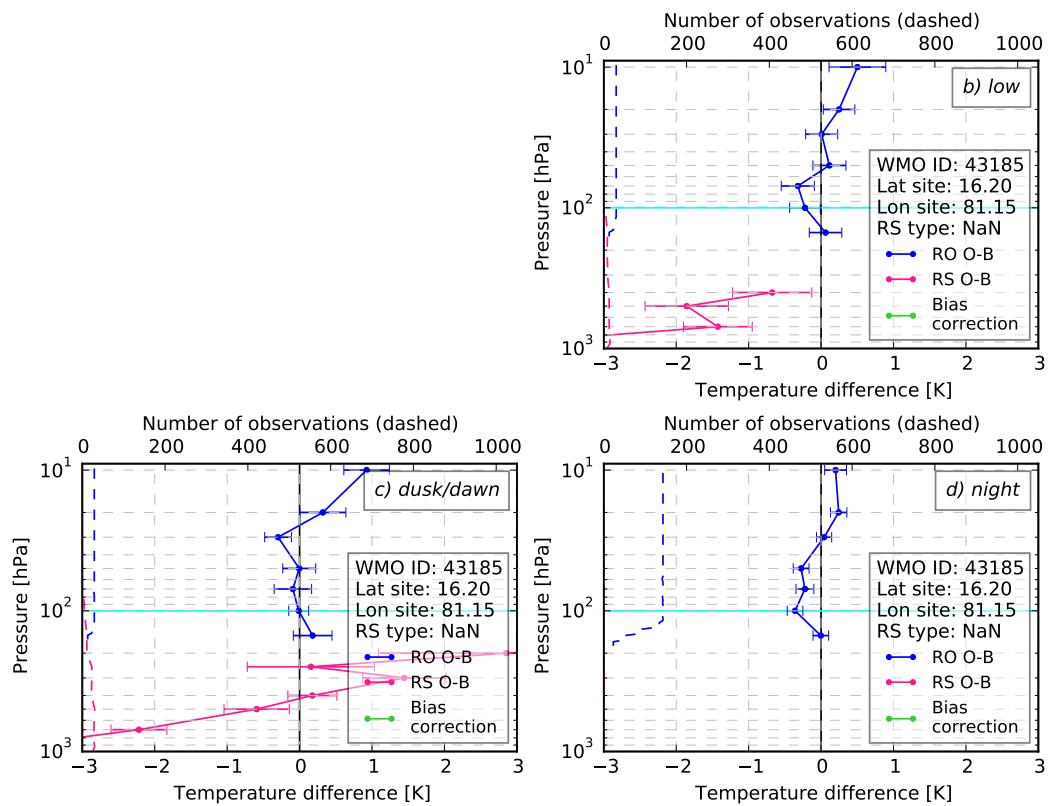
**Figure 1.277:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.278 WMO ID 43150



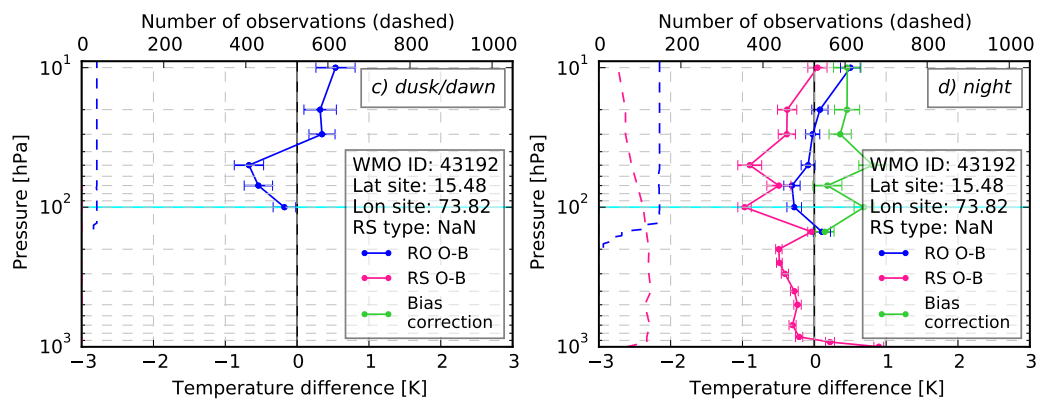
**Figure 1.278:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.279 WMO ID 43185



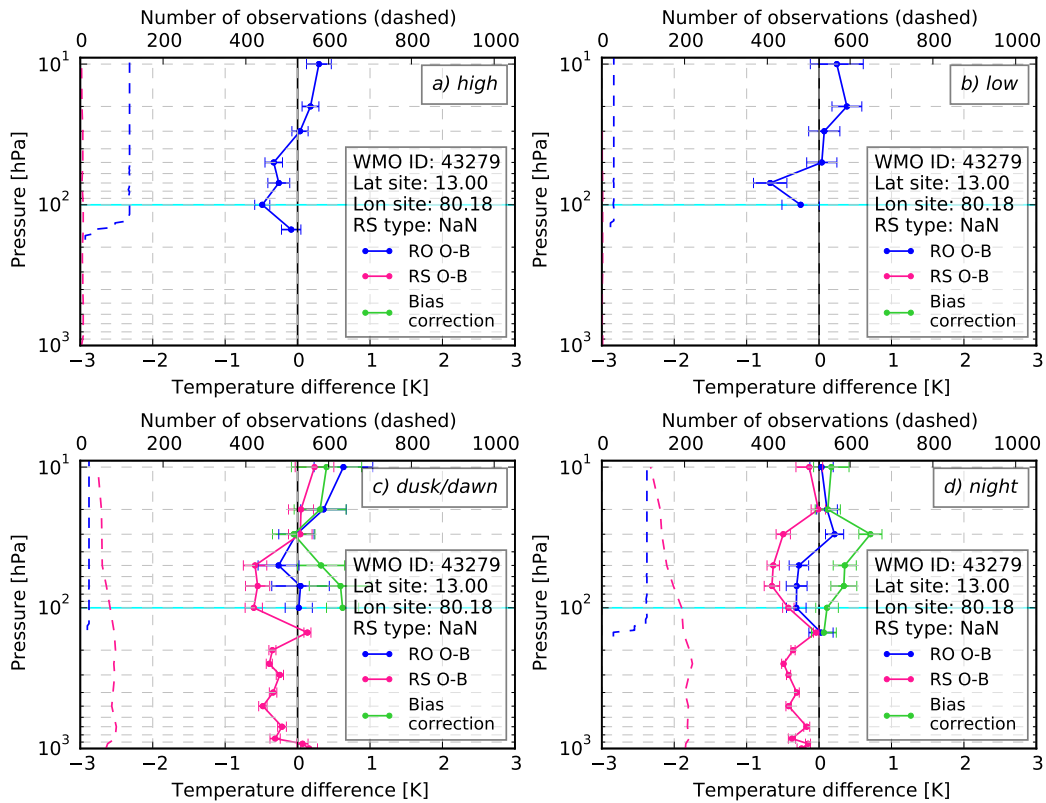
**Figure 1.279:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.280 WMO ID 43192



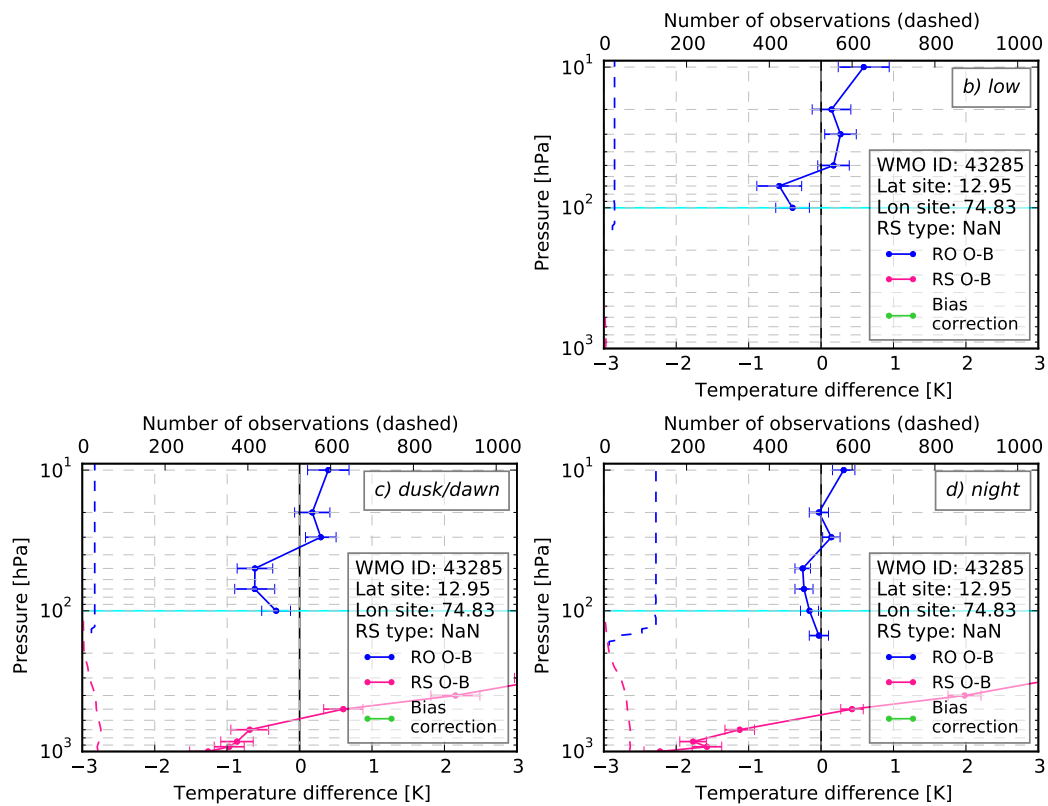
**Figure 1.280:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.281 WMO ID 43279



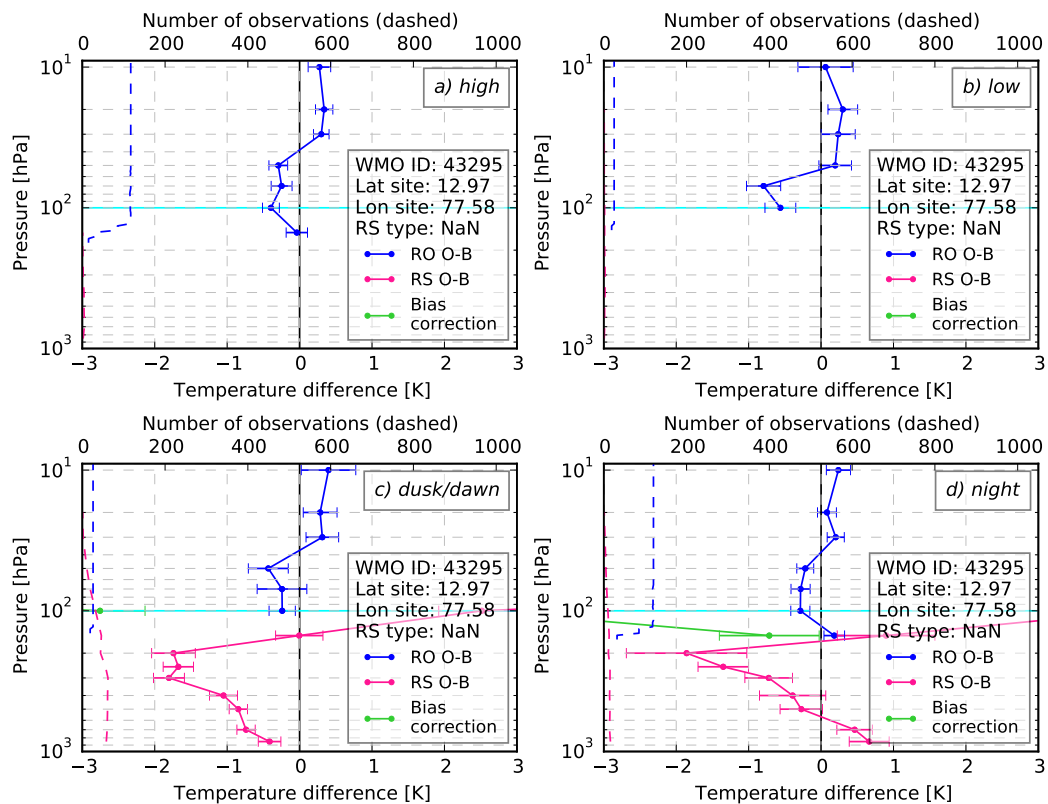
**Figure 1.281:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.282 WMO ID 43285



**Figure 1.282:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

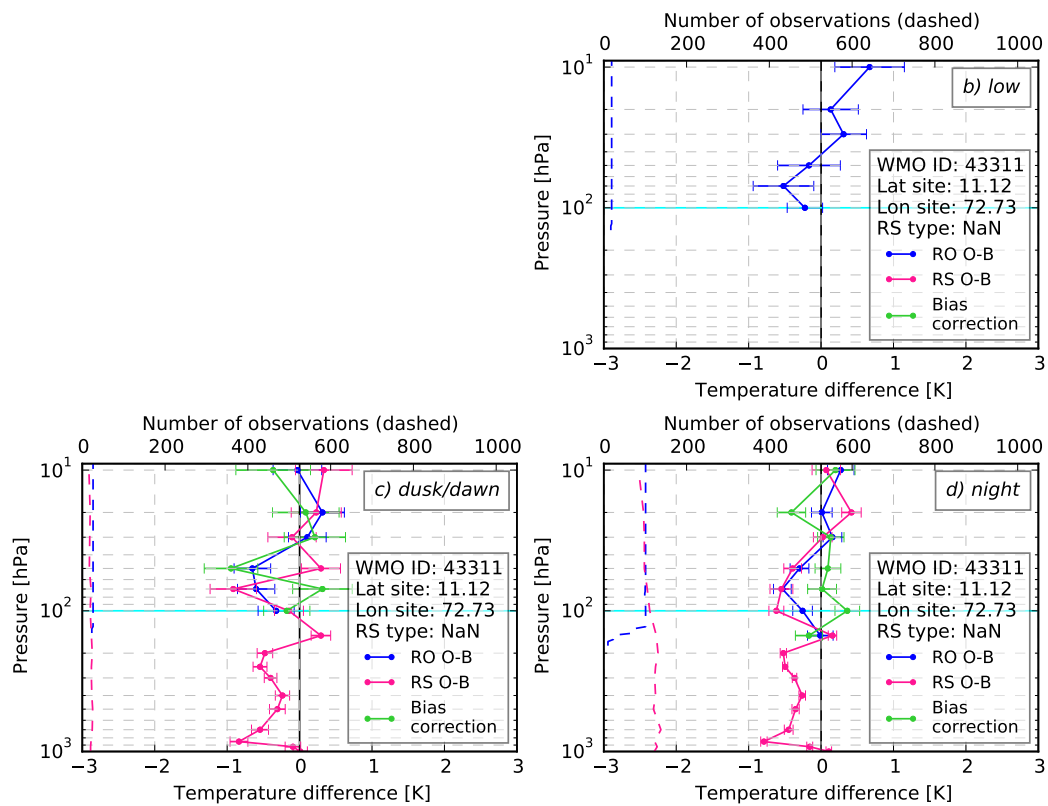
### 1.283 WMO ID 43295



**Figure 1.283:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

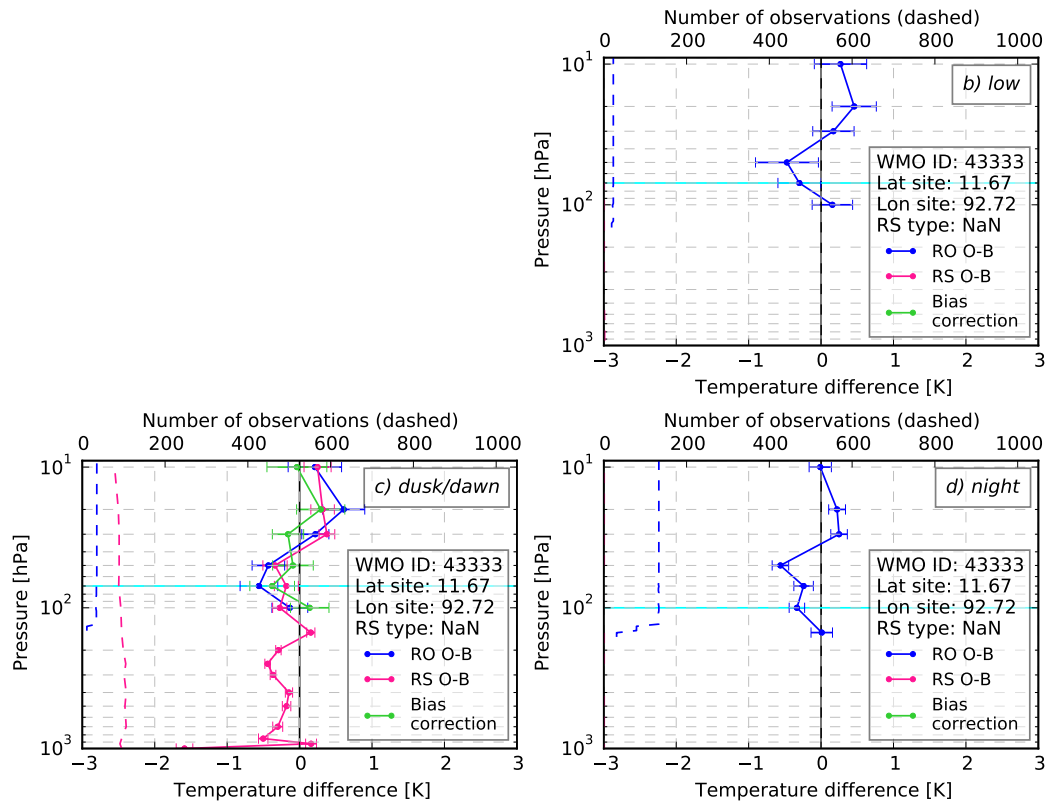


### 1.284 WMO ID 43311



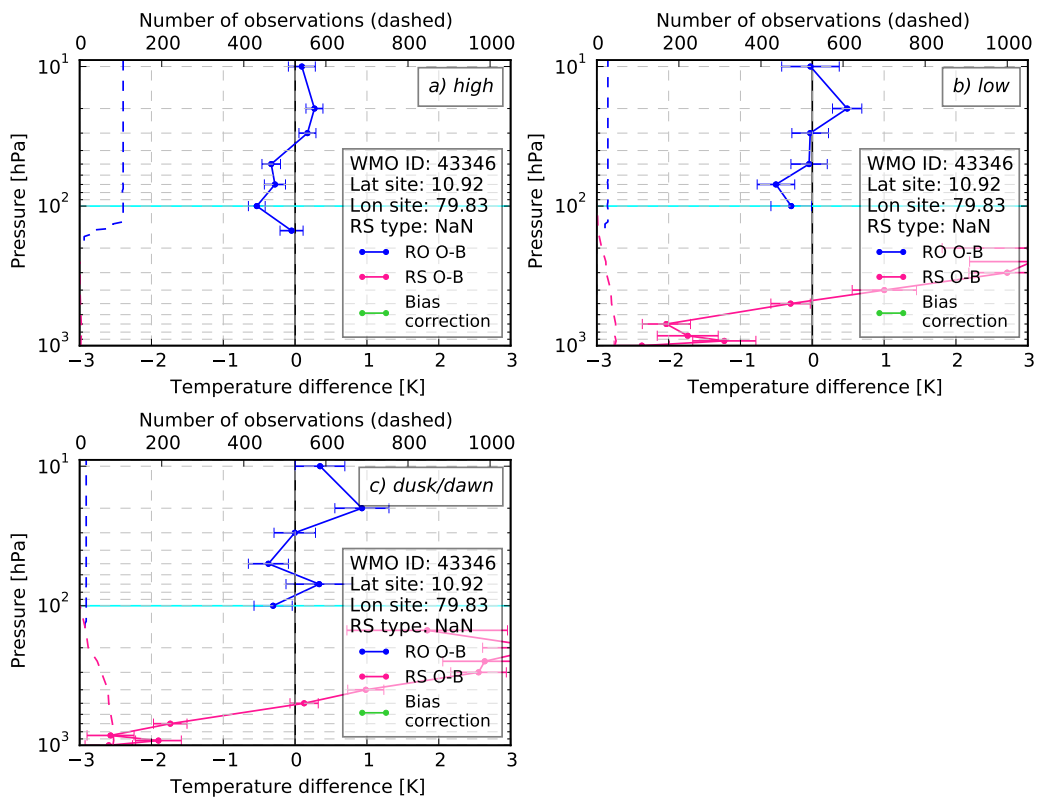
**Figure 1.284:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.285 WMO ID 43333



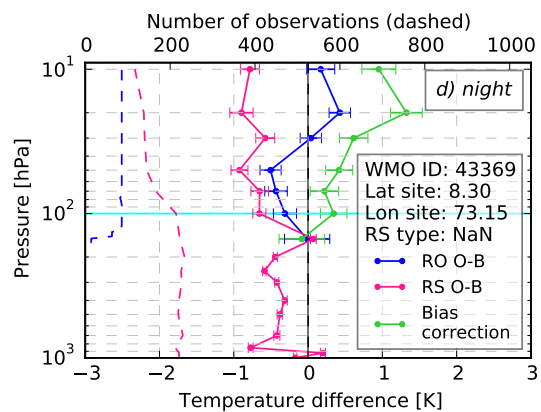
**Figure 1.285:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.286 WMO ID 43346



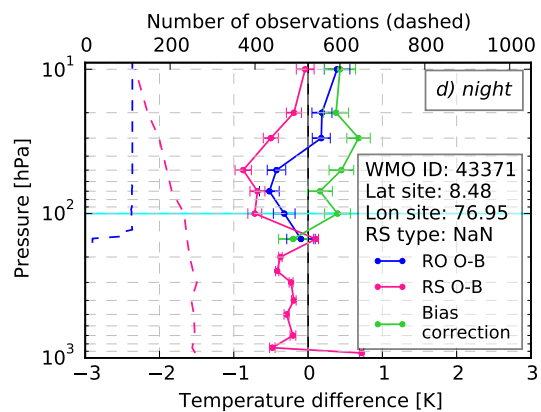
**Figure 1.286:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.287 WMO ID 43369



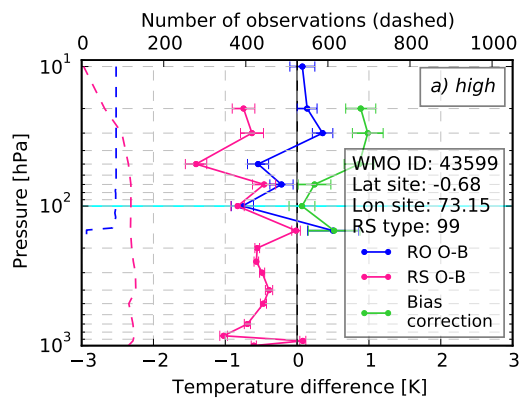
**Figure 1.287:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.288 WMO ID 43371



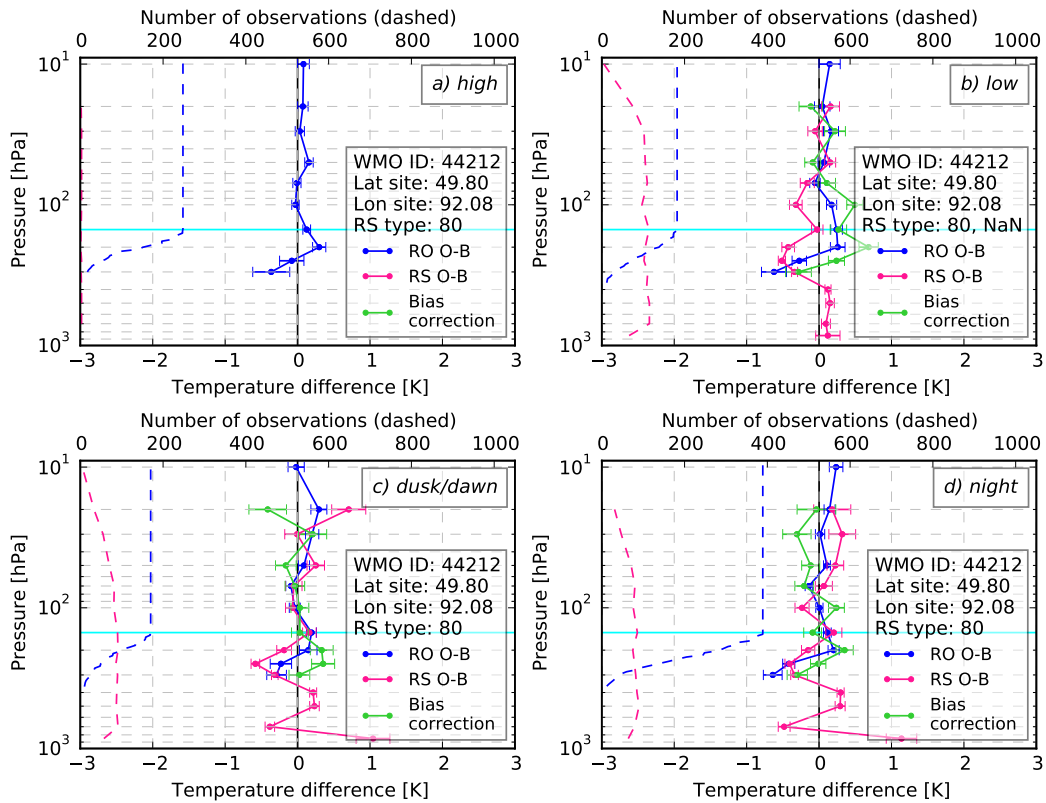
**Figure 1.288:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.289 WMO ID 43599



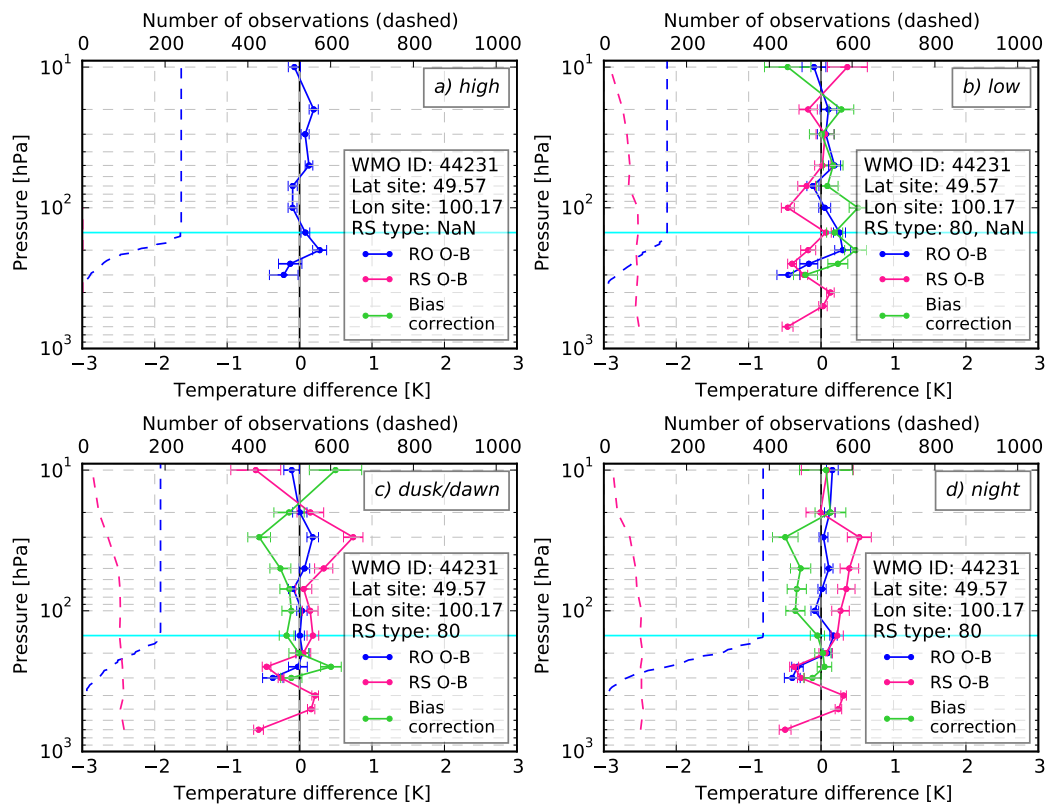
**Figure 1.289:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.290 WMO ID 44212



**Figure 1.290:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

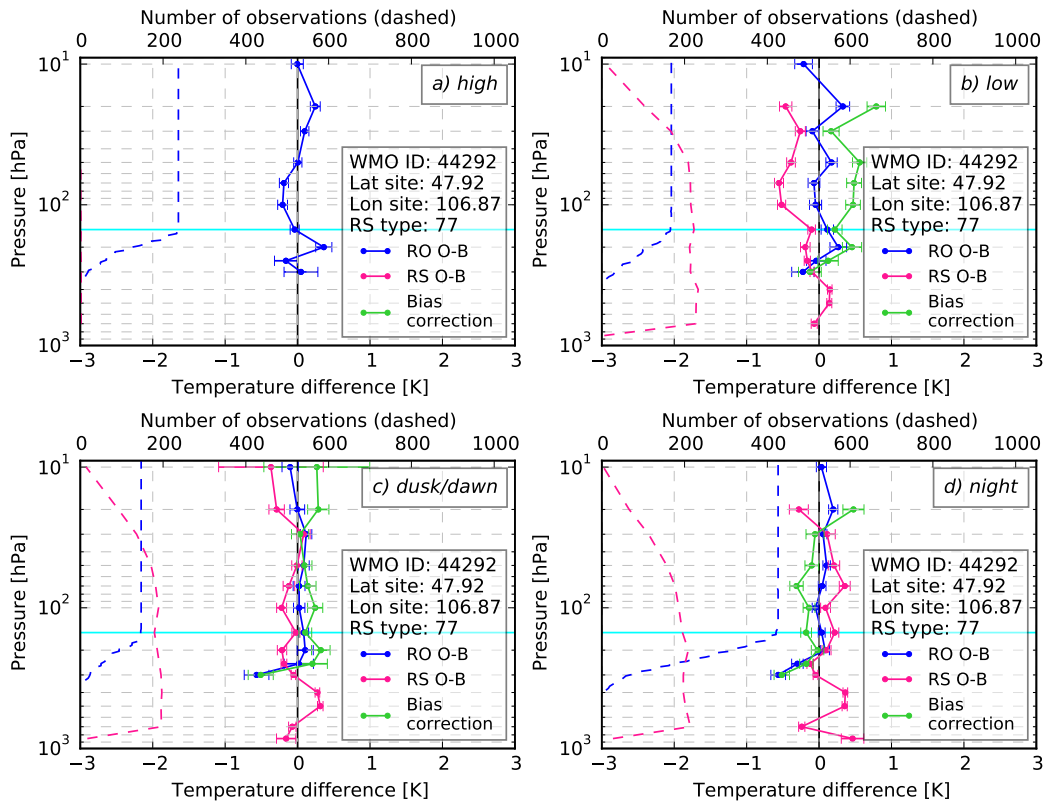
### 1.291 WMO ID 44231



**Figure 1.291:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

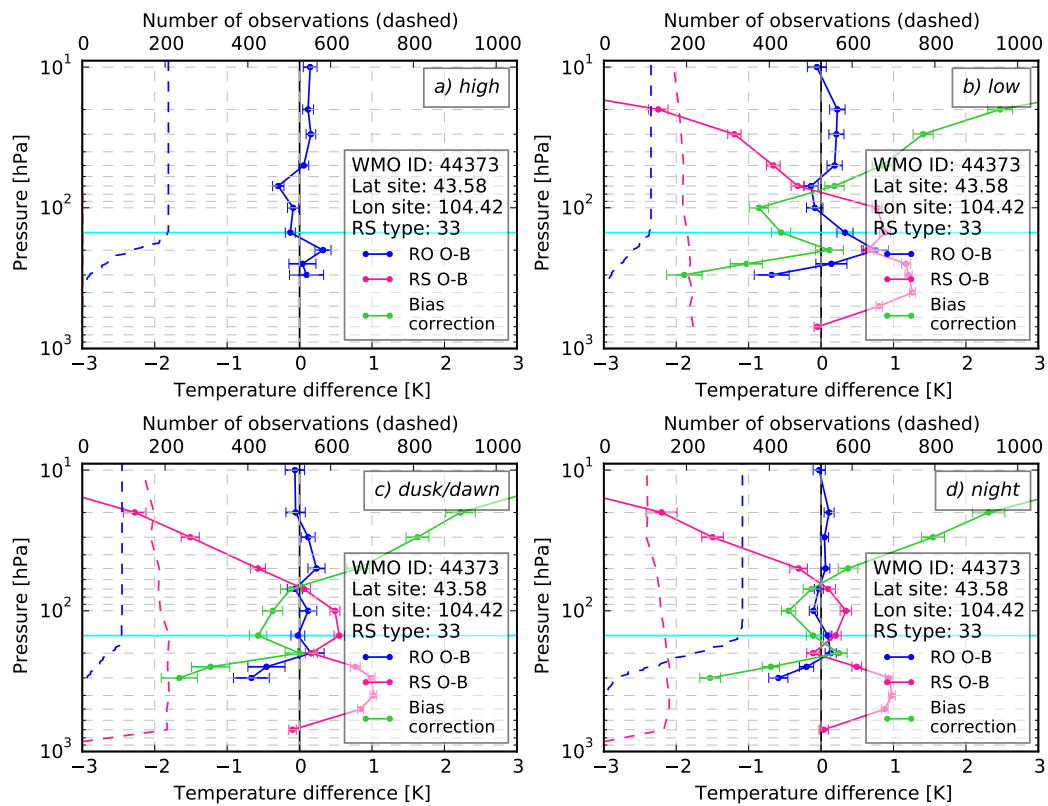


### 1.292 WMO ID 44292



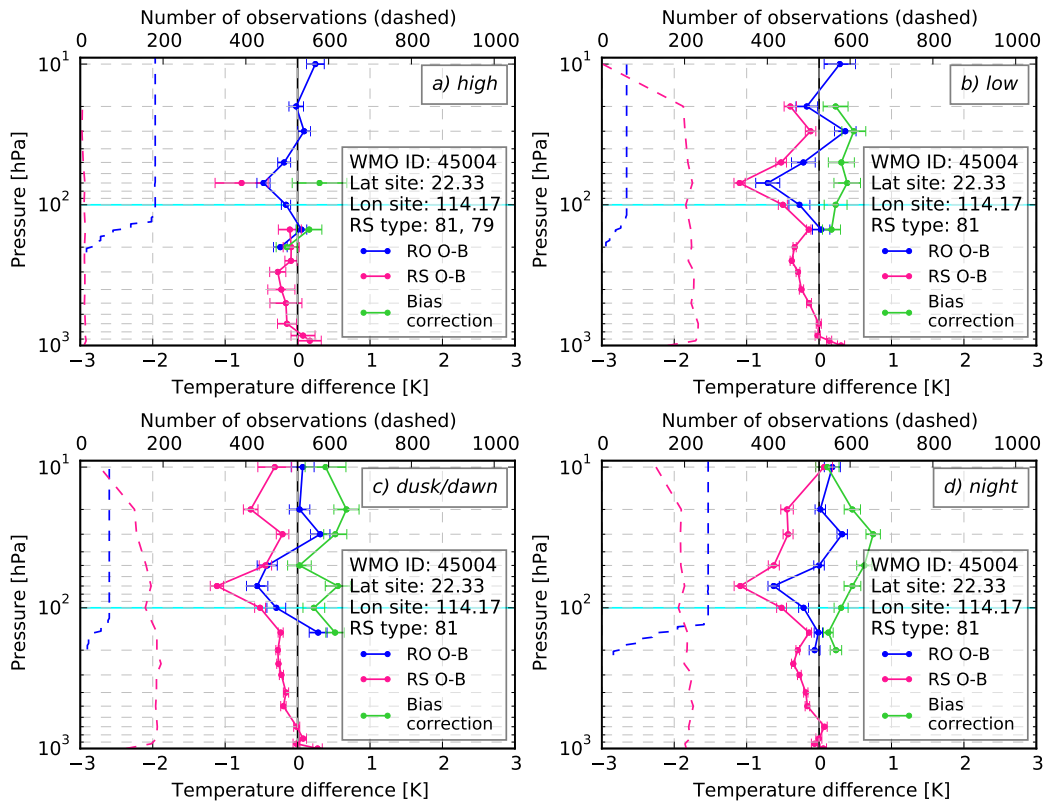
**Figure 1.292:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.293 WMO ID 44373



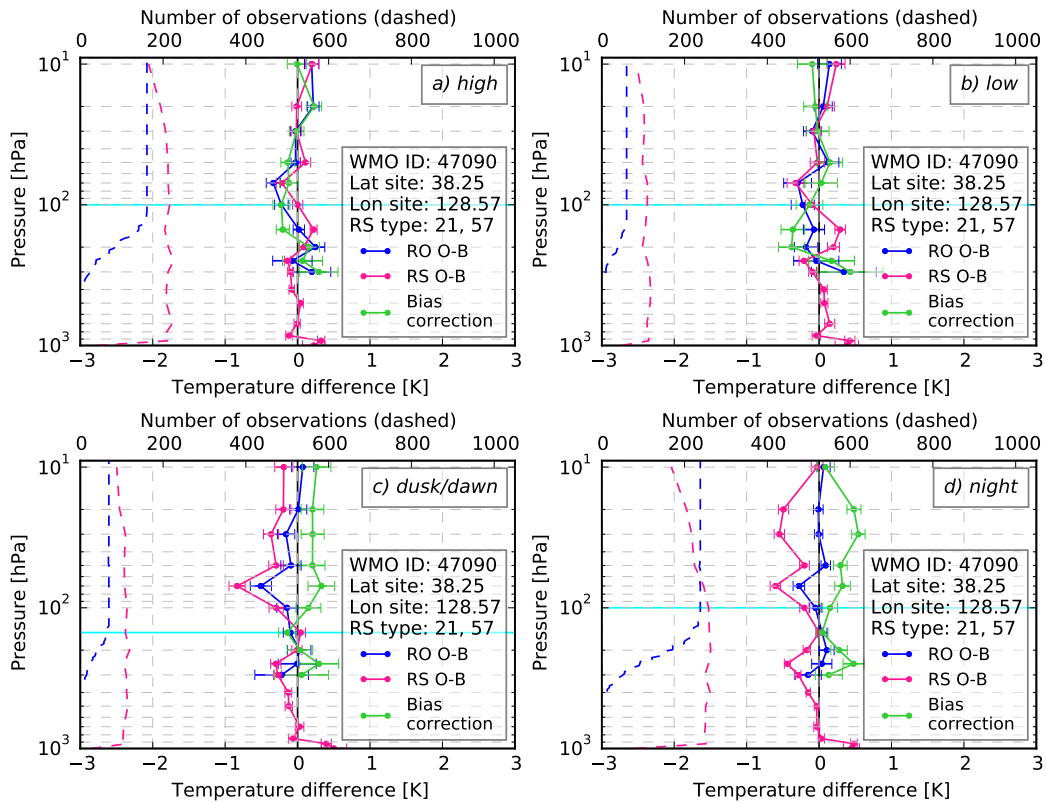
**Figure 1.293:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.294 WMO ID 45004



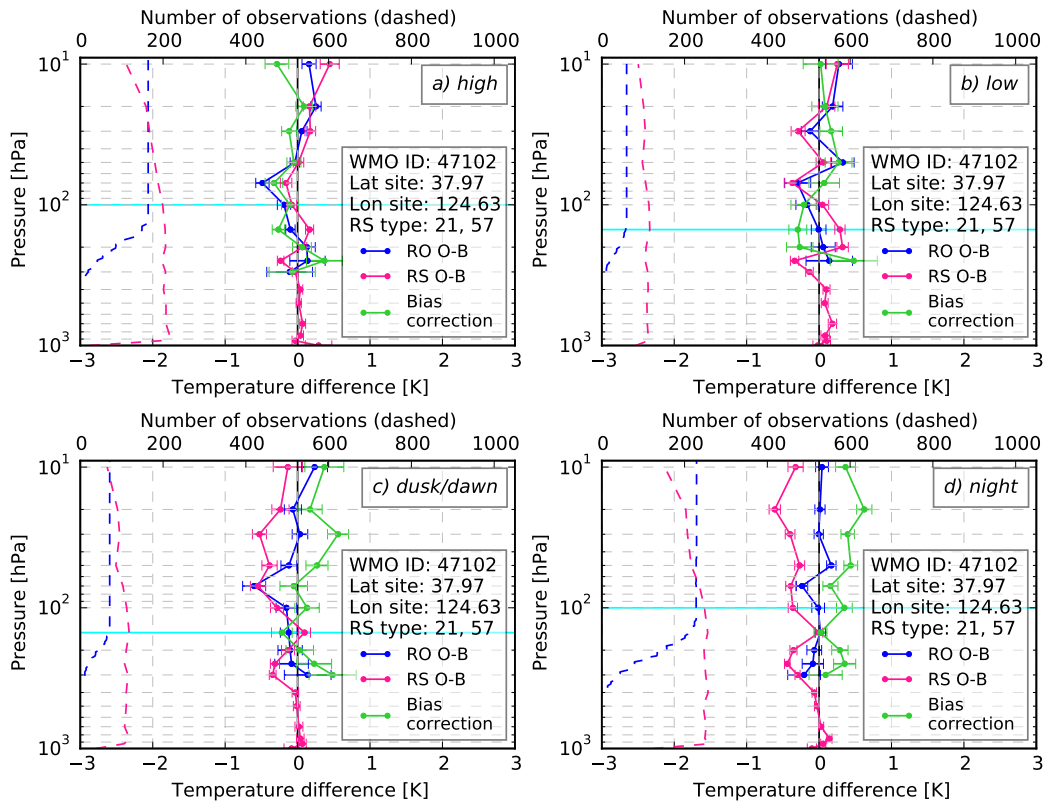
**Figure 1.294:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.295 WMO ID 47090



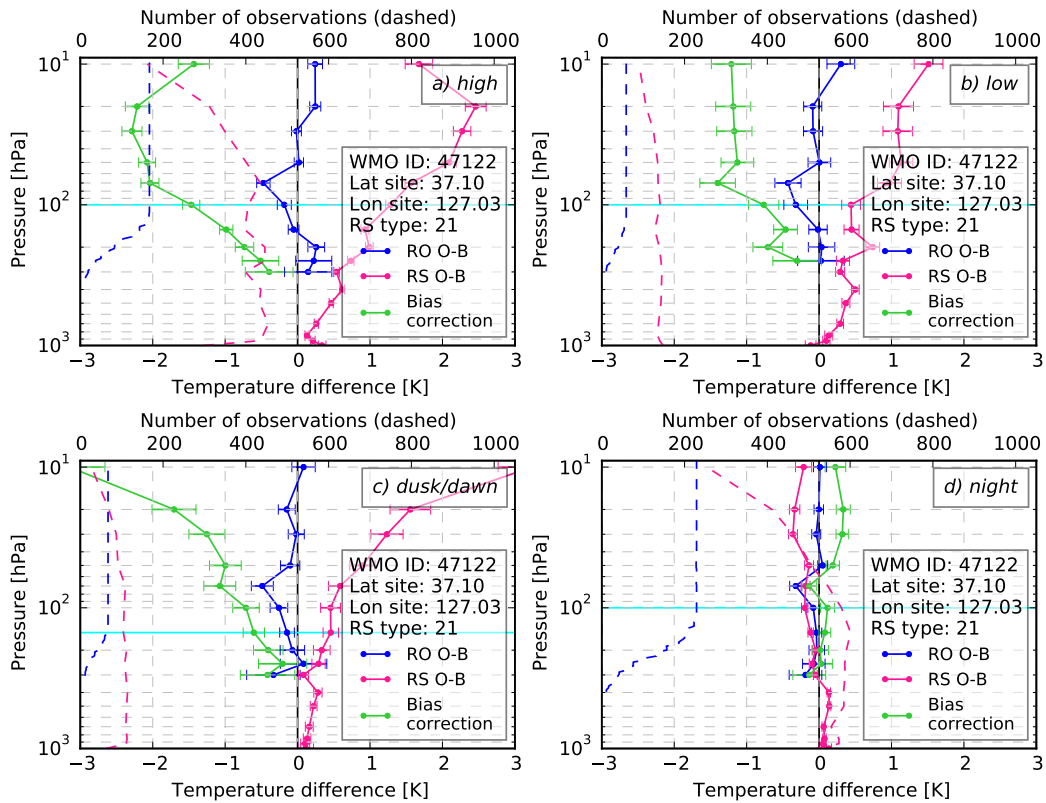
**Figure 1.295:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.296 WMO ID 47102



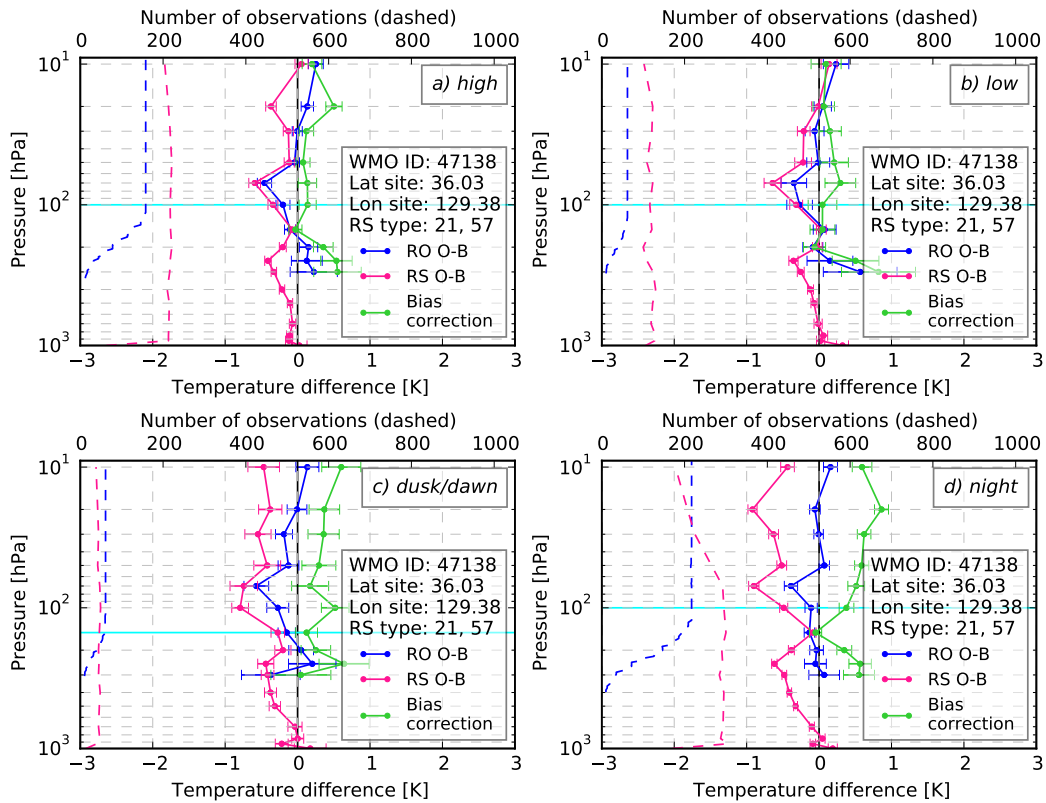
**Figure 1.296:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.297 WMO ID 47122



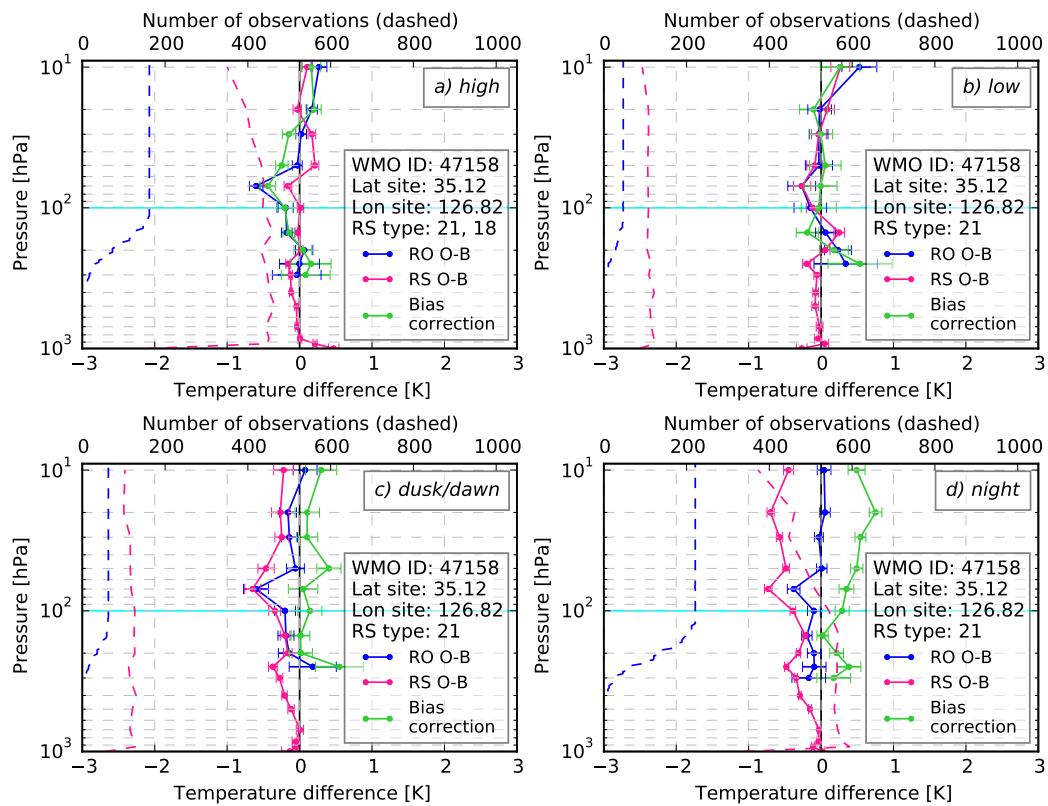
**Figure 1.297:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.298 WMO ID 47138



**Figure 1.298:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

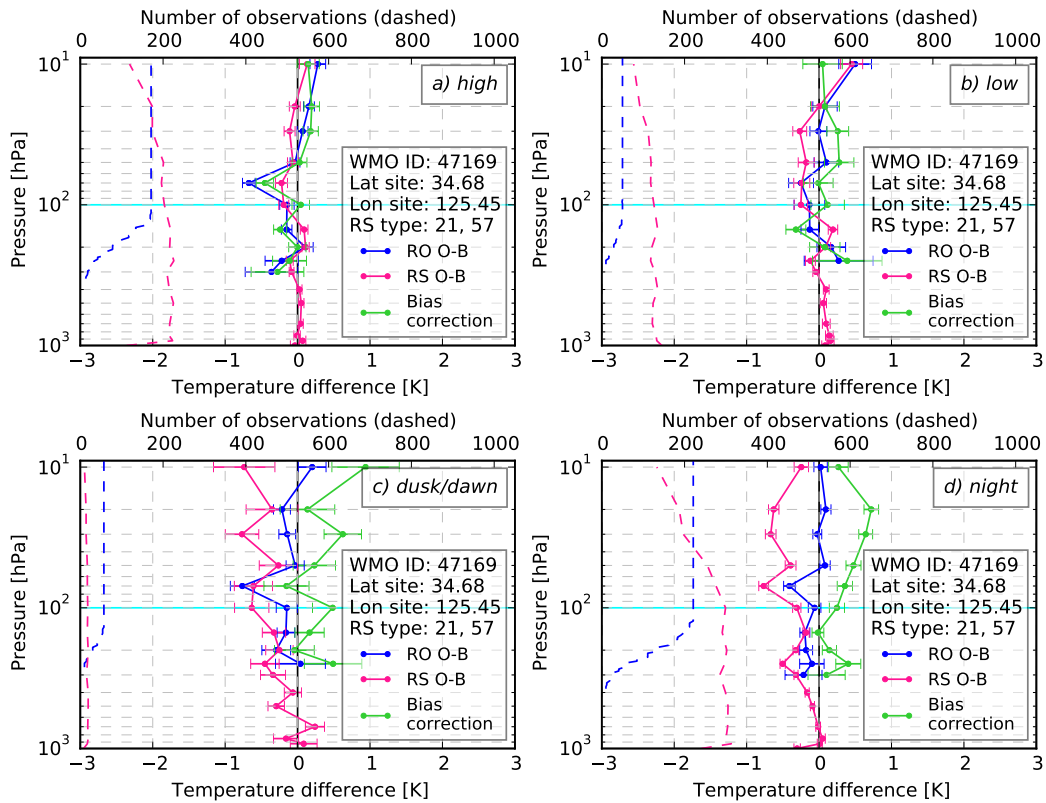
## 1.299 WMO ID 47158



**Figure 1.299:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

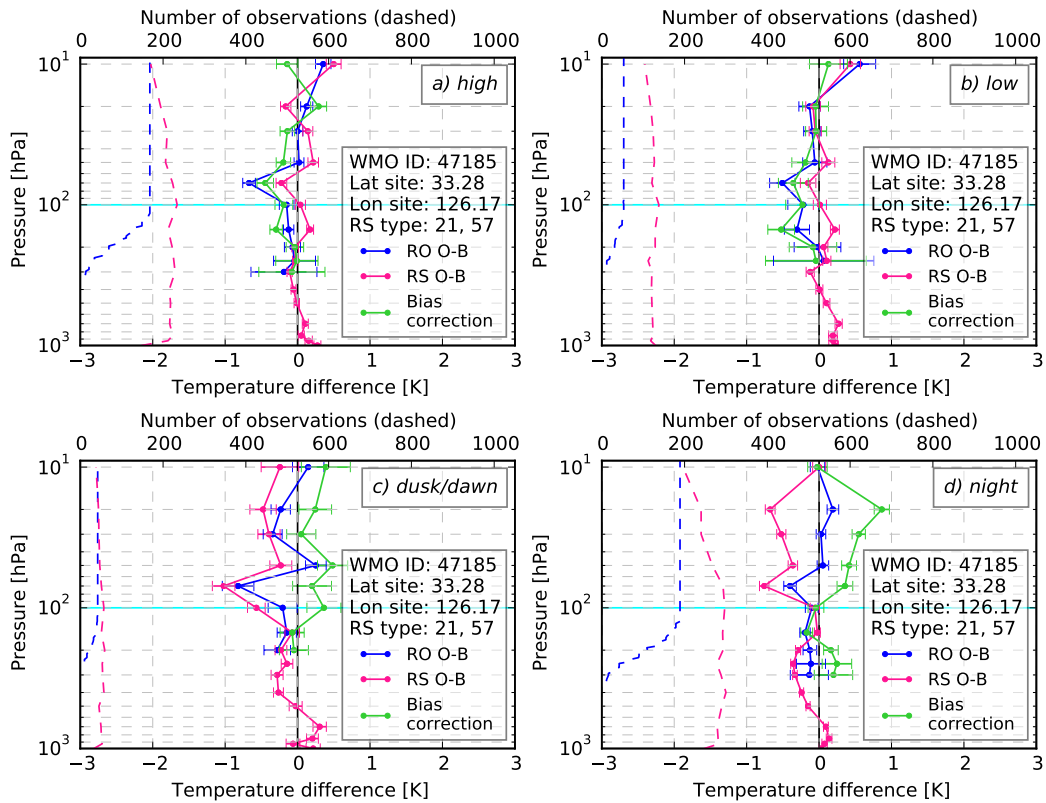


### 1.300 WMO ID 47169



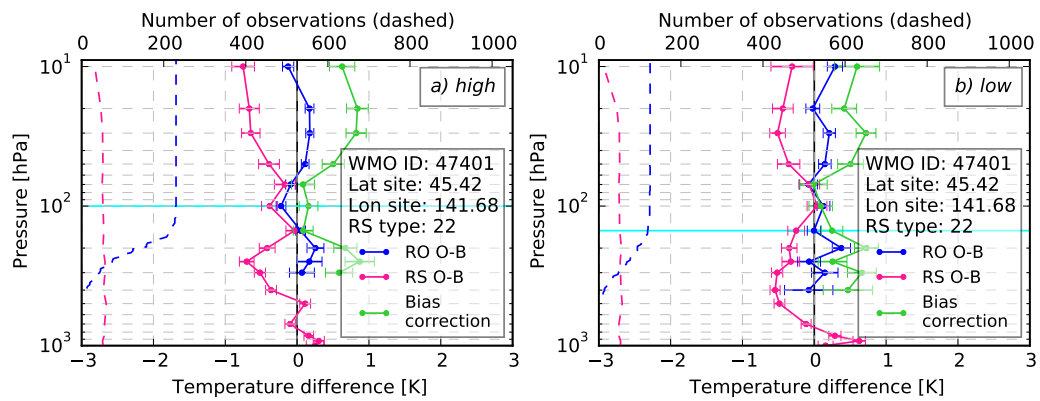
**Figure 1.300:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.301 WMO ID 47185



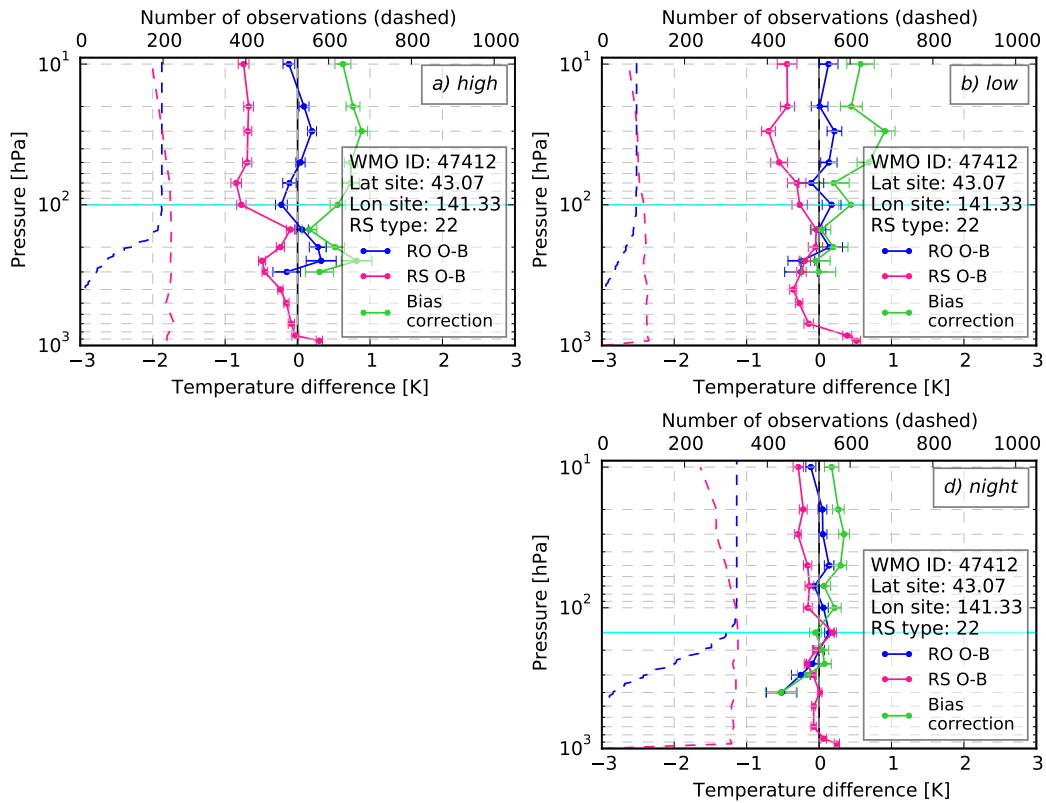
**Figure 1.301:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.302 WMO ID 47401



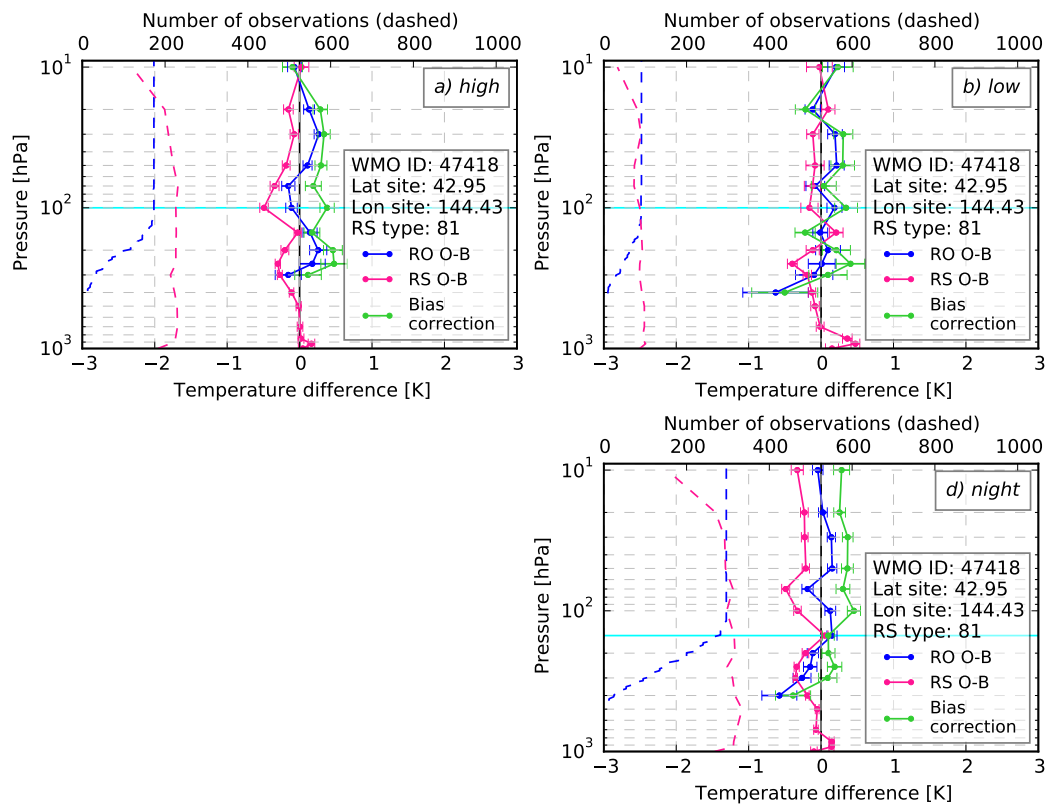
**Figure 1.302:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.303 WMO ID 47412



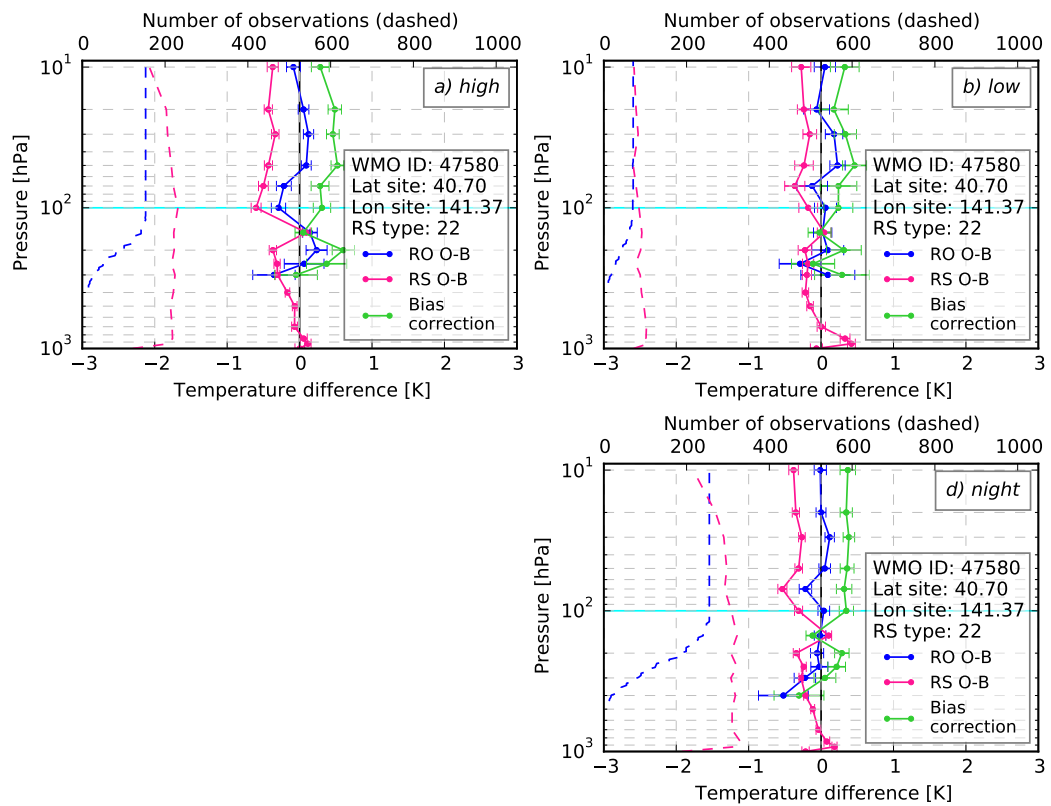
**Figure 1.303:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.304 WMO ID 47418



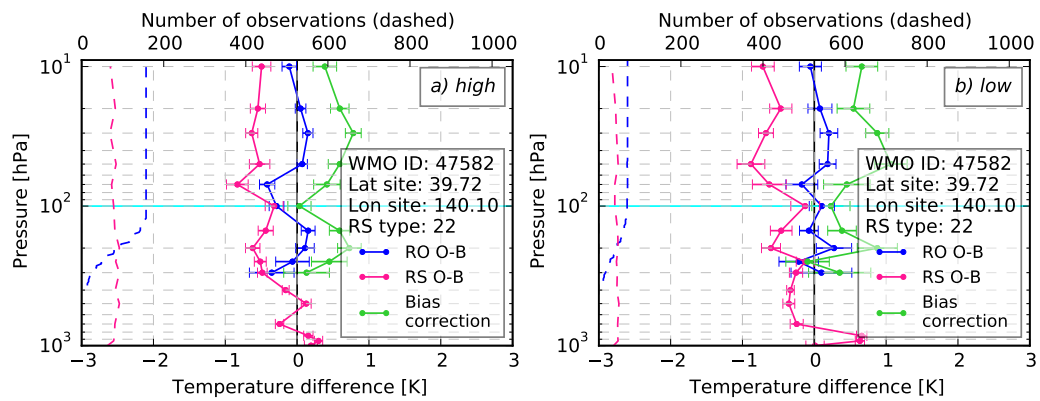
**Figure 1.304:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.305 WMO ID 47580



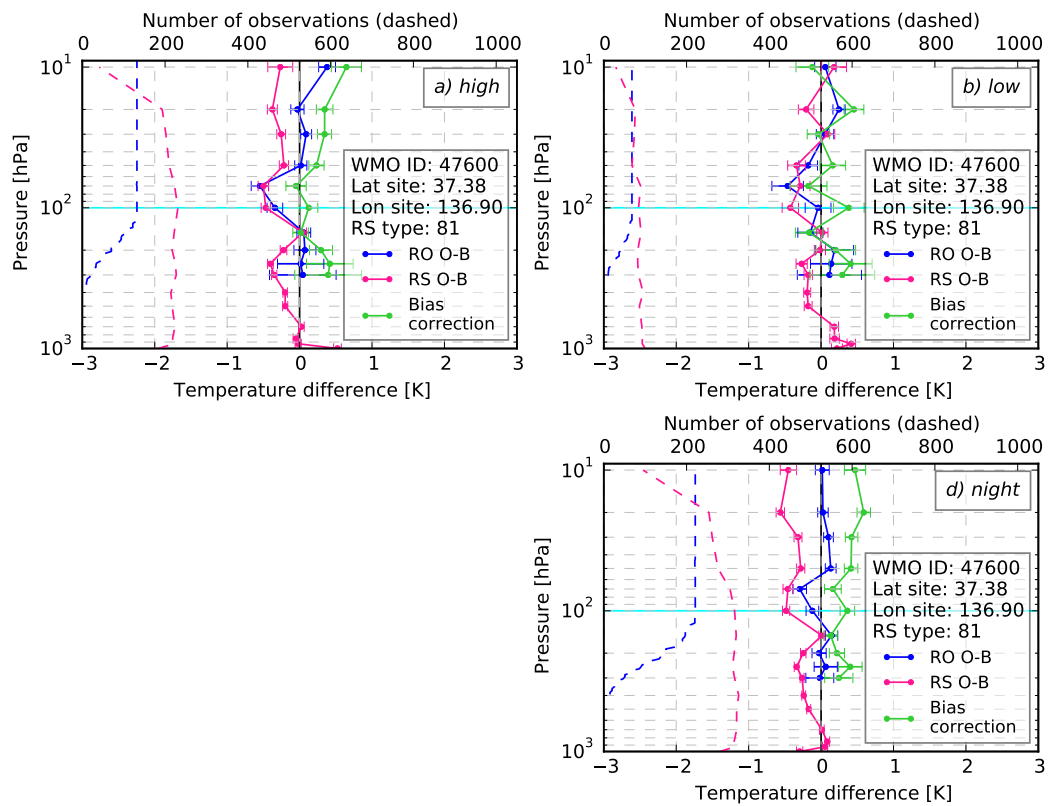
**Figure 1.305:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.306 WMO ID 47582



**Figure 1.306:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

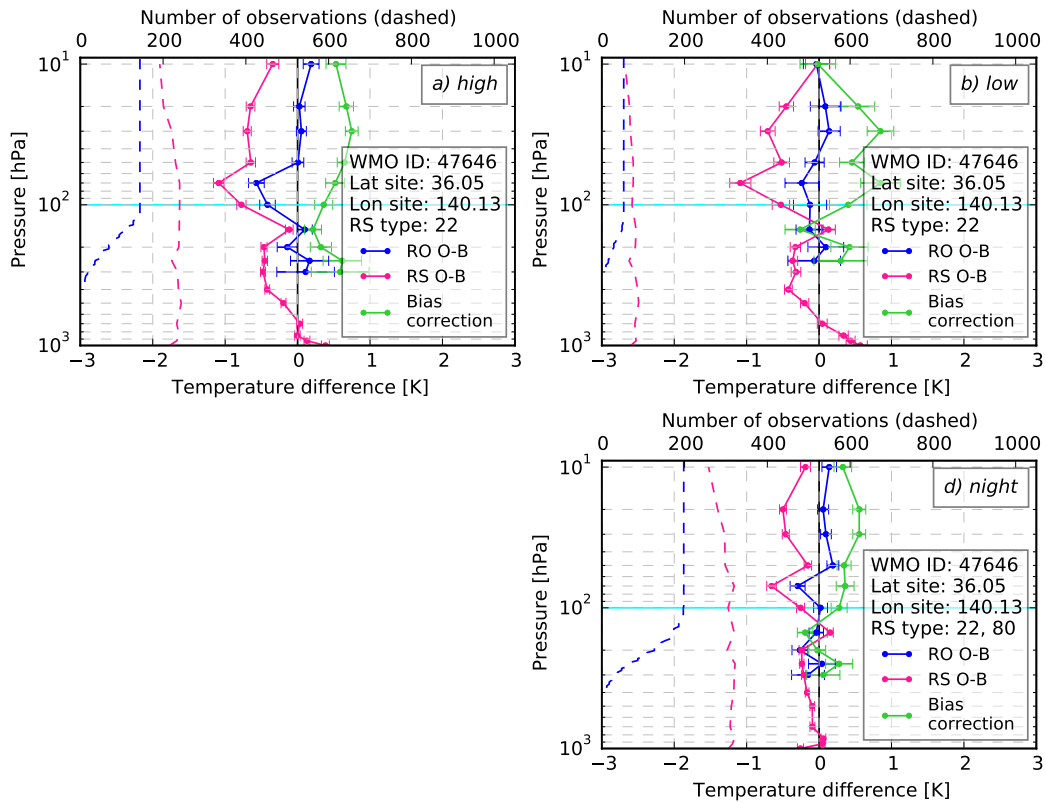
### 1.307 WMO ID 47600



**Figure 1.307:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

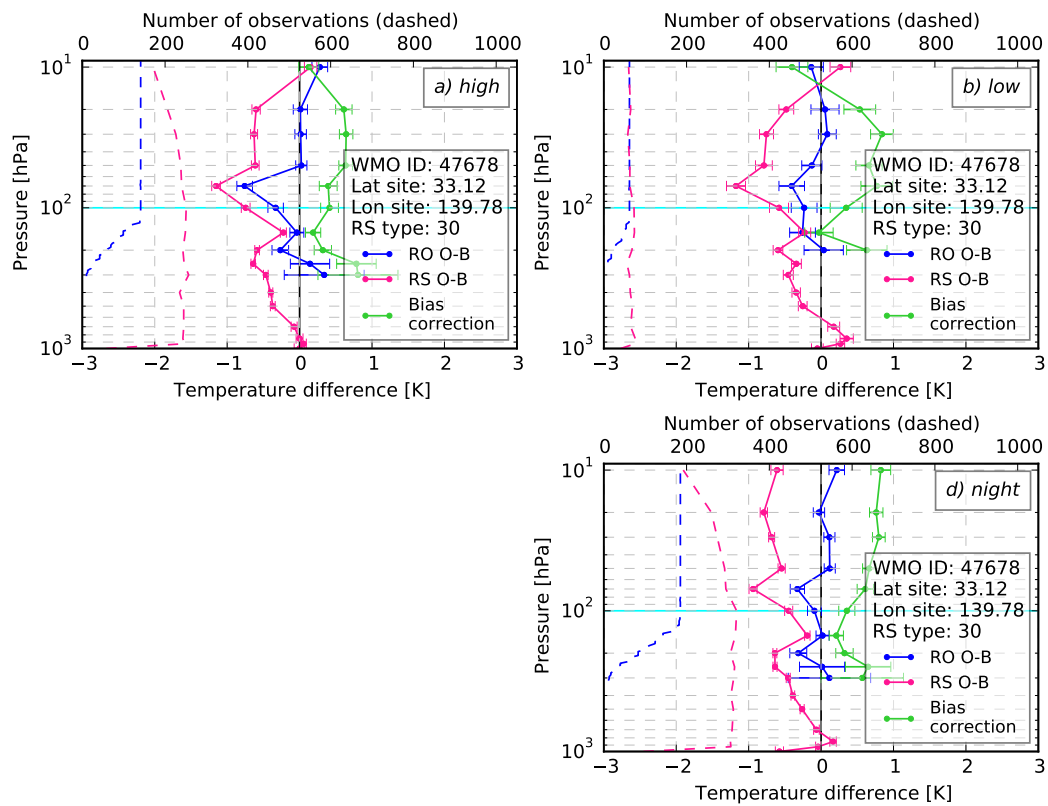


### 1.308 WMO ID 47646



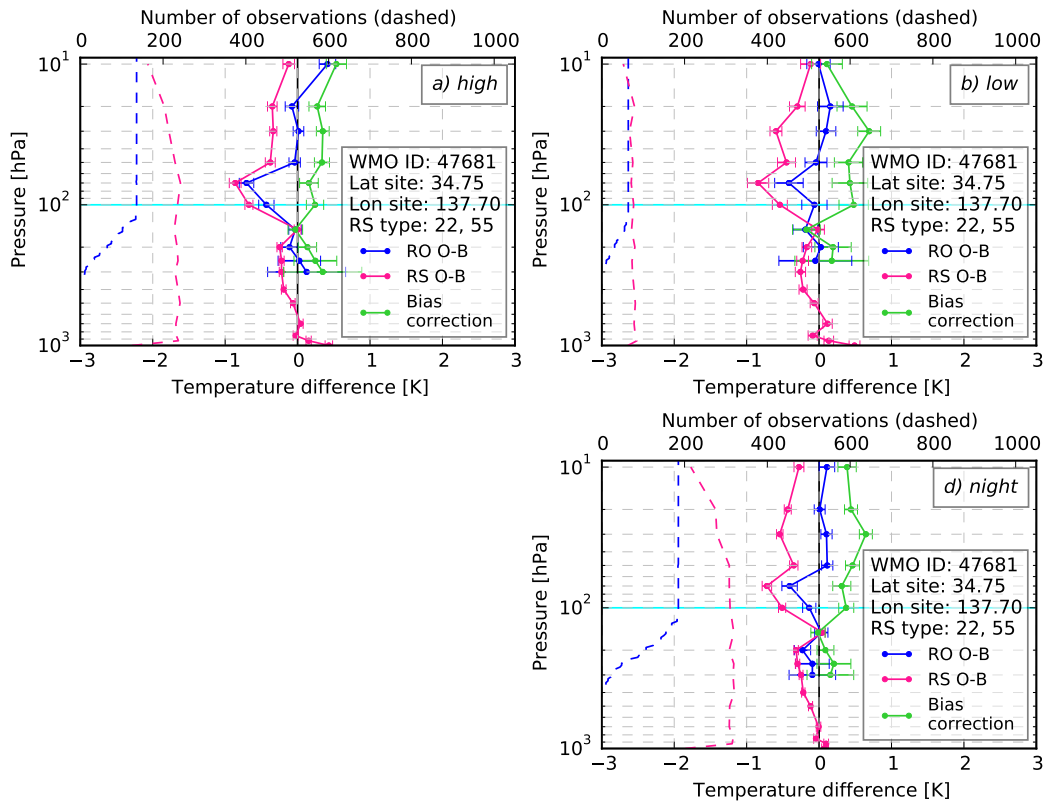
**Figure 1.308:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.309 WMO ID 47678



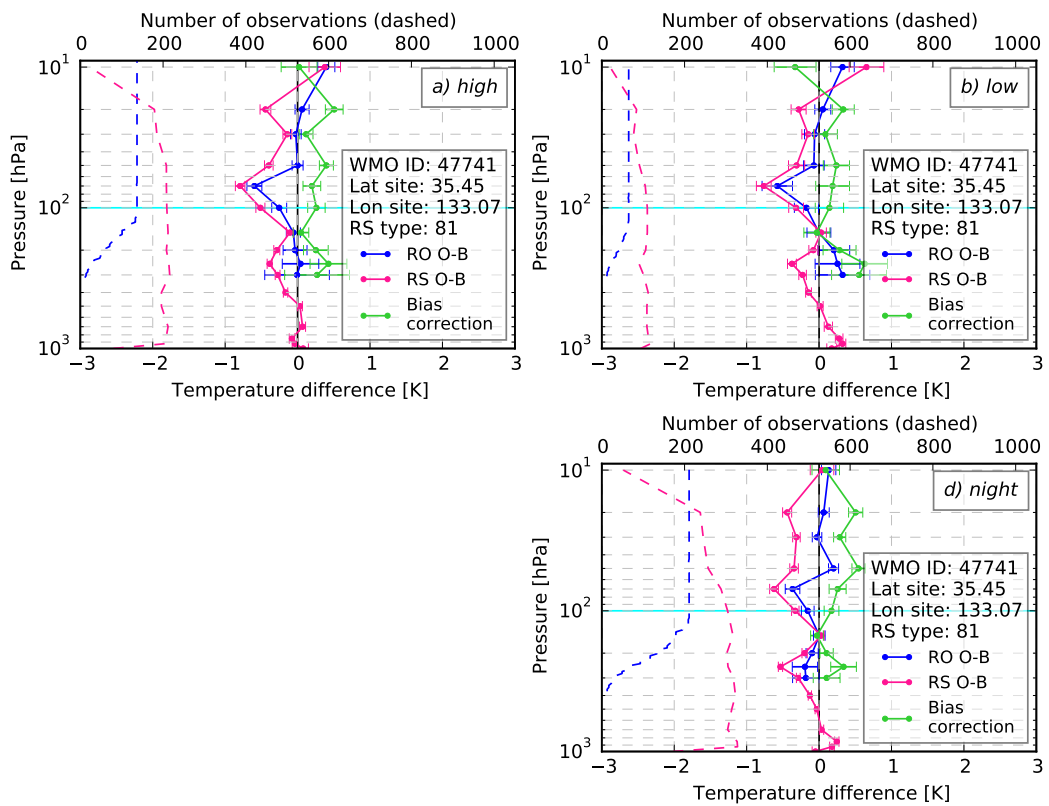
**Figure 1.309:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.310 WMO ID 47681



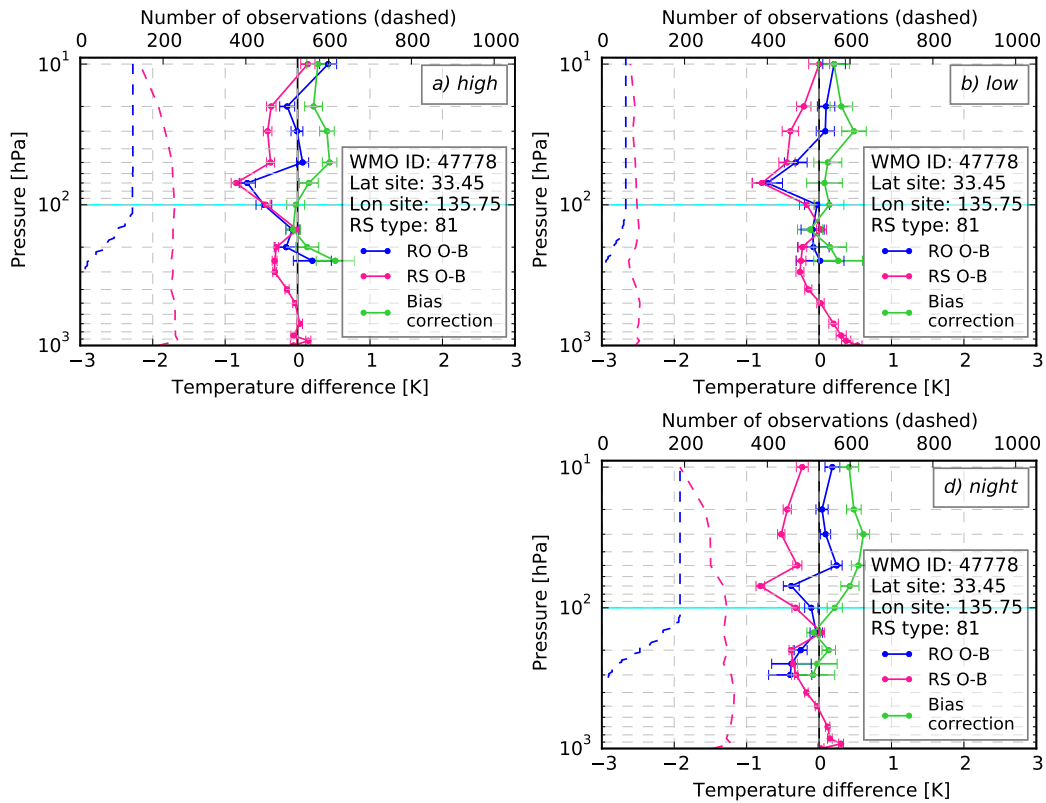
**Figure 1.310:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.311 WMO ID 47741



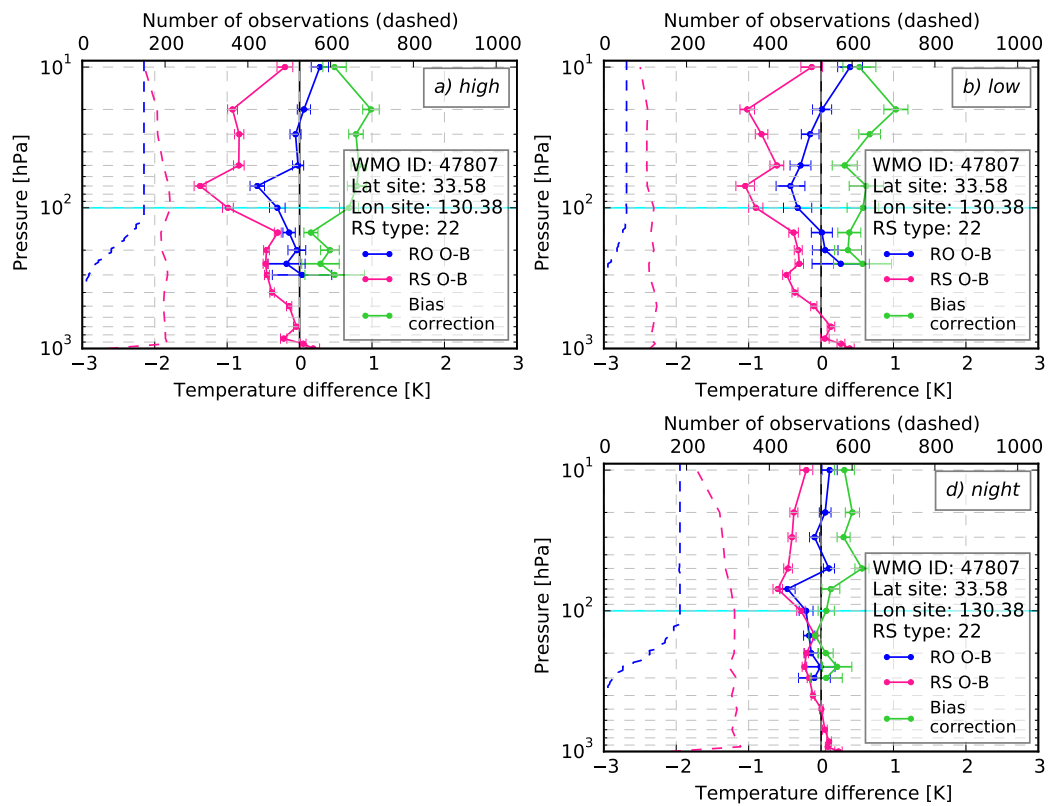
**Figure 1.311:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.312 WMO ID 47778



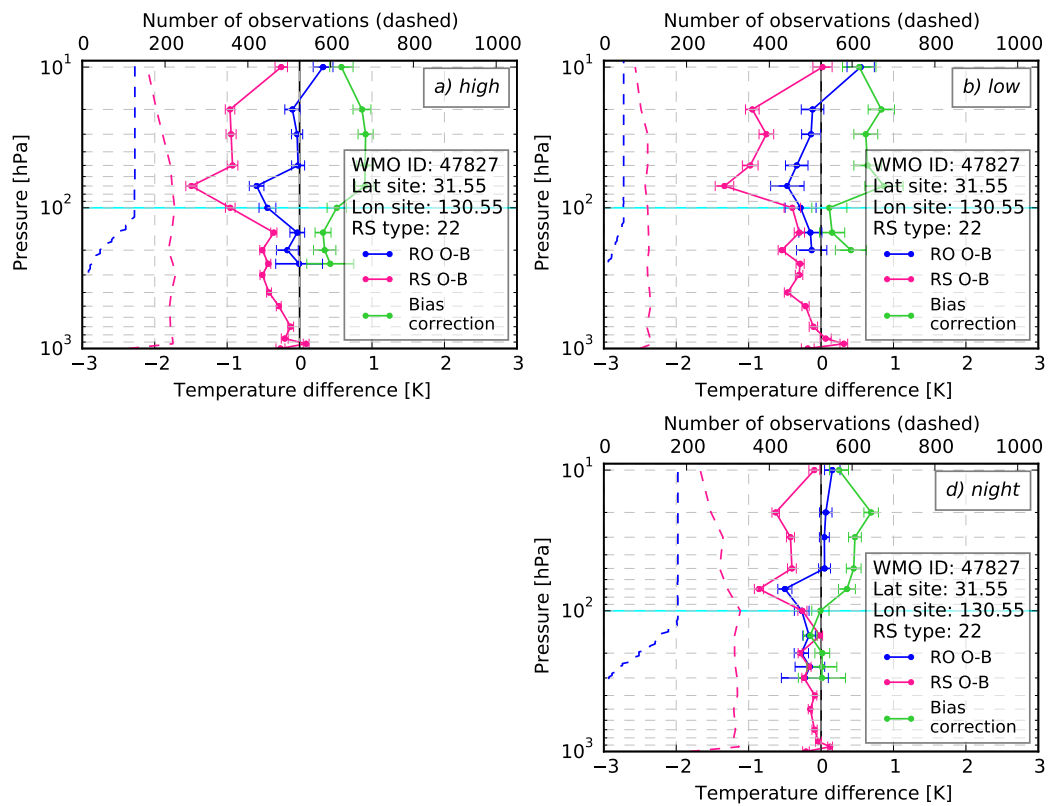
**Figure 1.312:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.313 WMO ID 47807



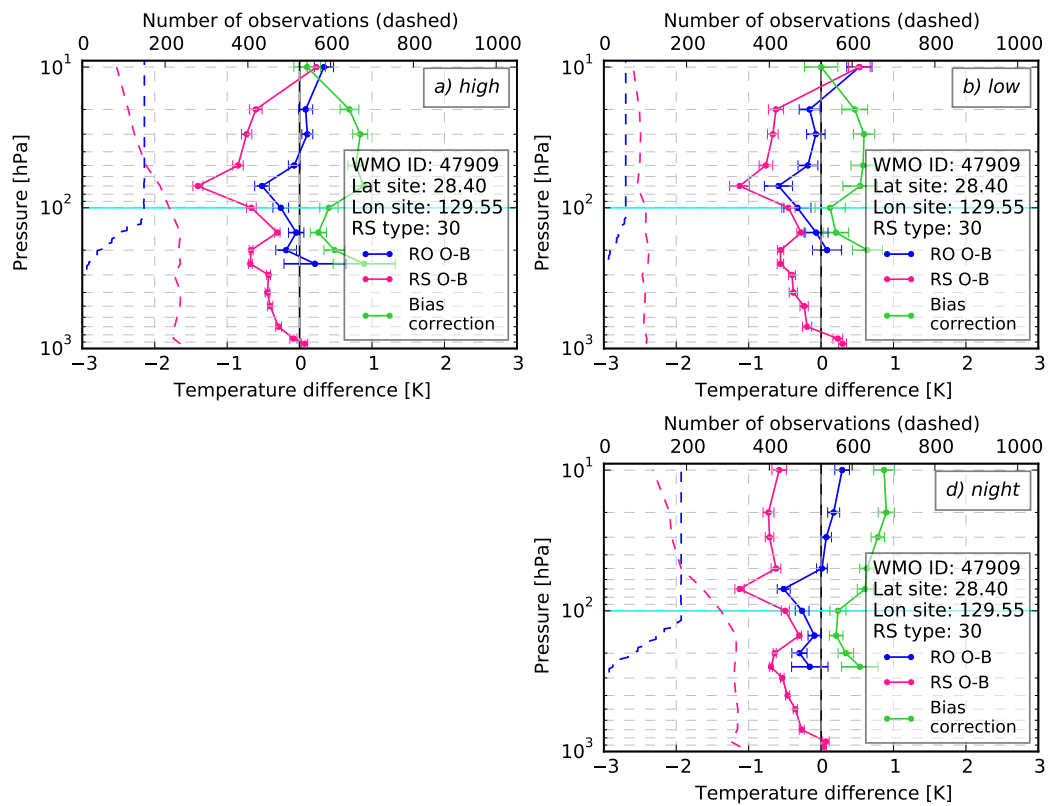
**Figure 1.313:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.314 WMO ID 47827



**Figure 1.314:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

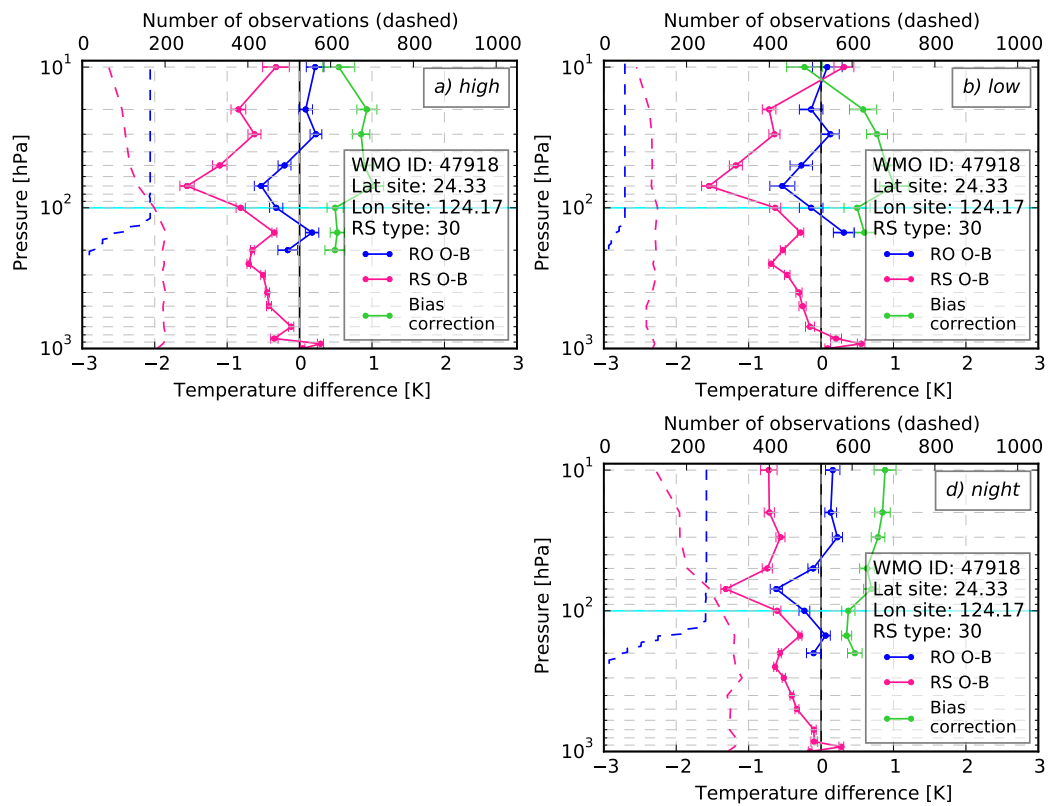
### 1.315 WMO ID 47909



**Figure 1.315:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

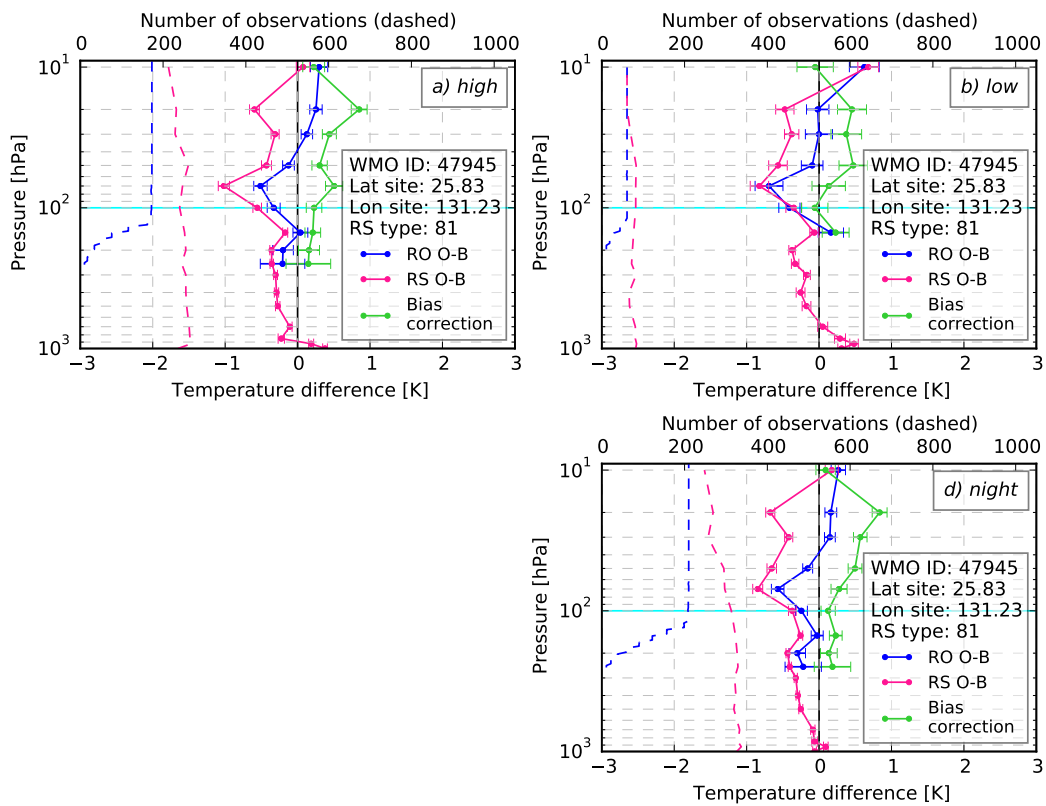


### 1.316 WMO ID 47918



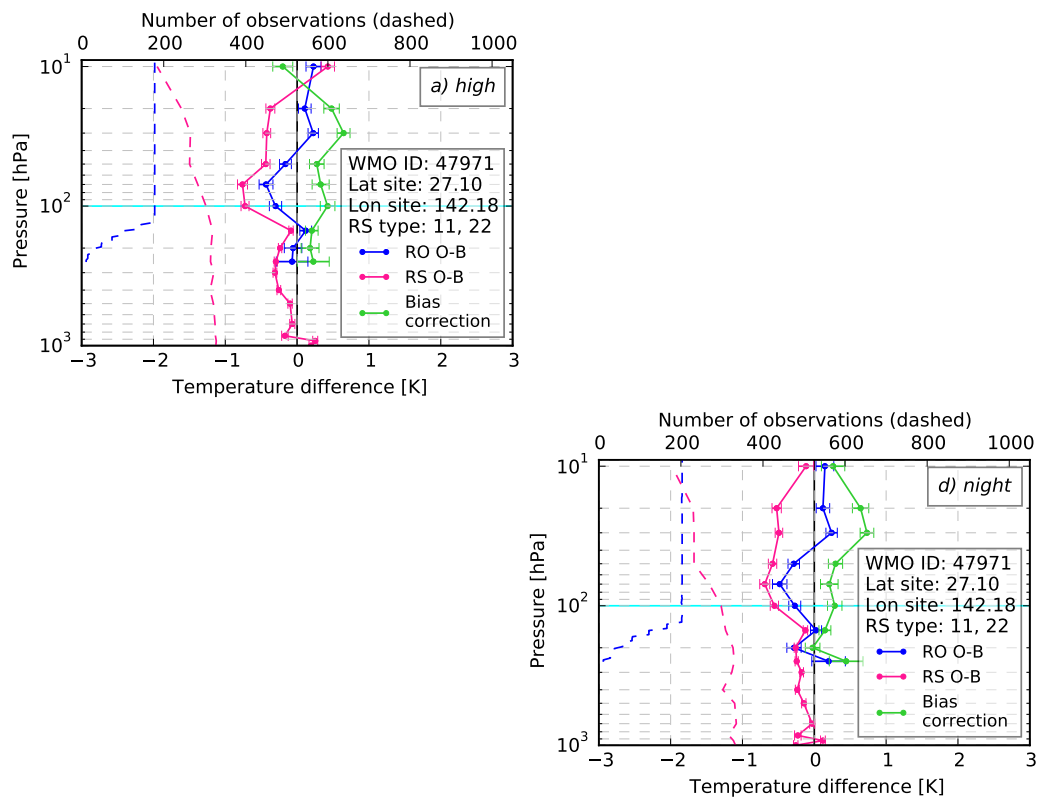
**Figure 1.316:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.317 WMO ID 47945



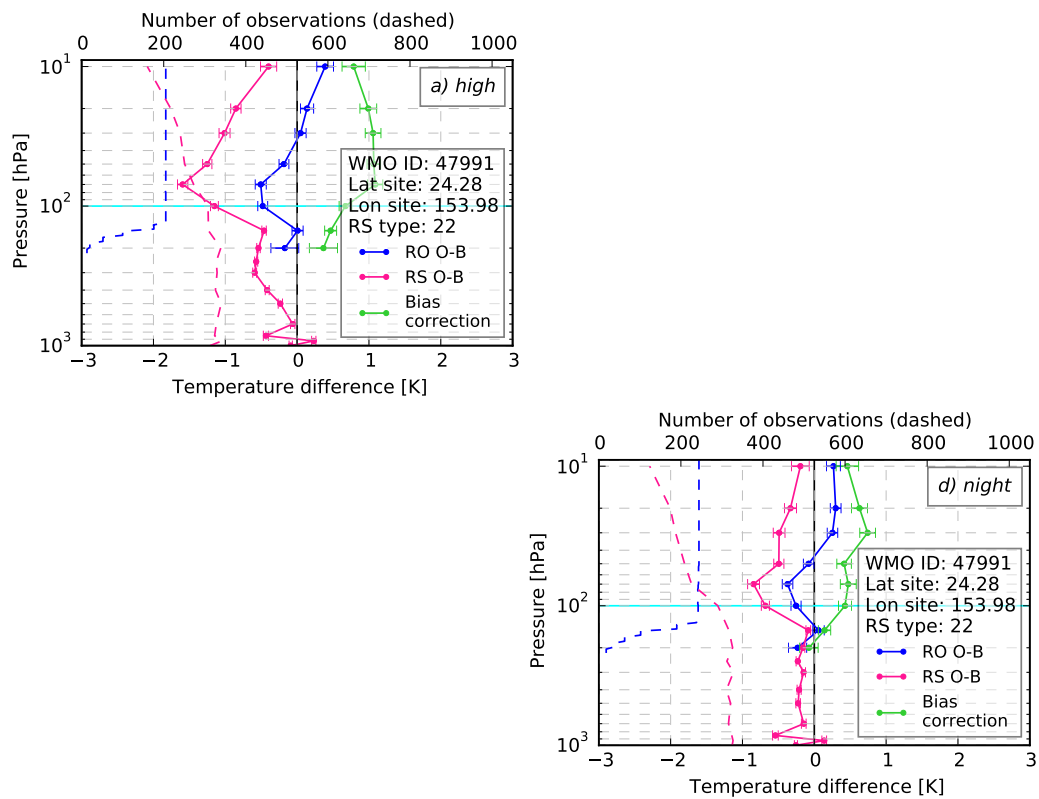
**Figure 1.317:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.318 WMO ID 47971



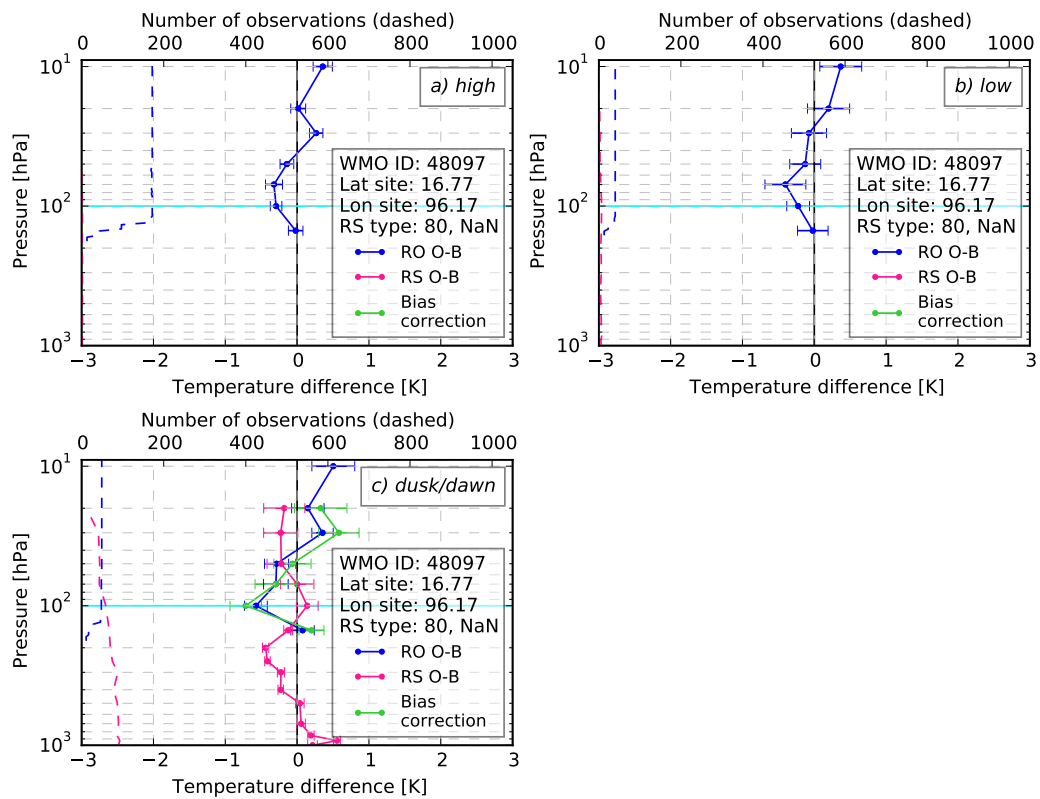
**Figure 1.318:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.319 WMO ID 47991



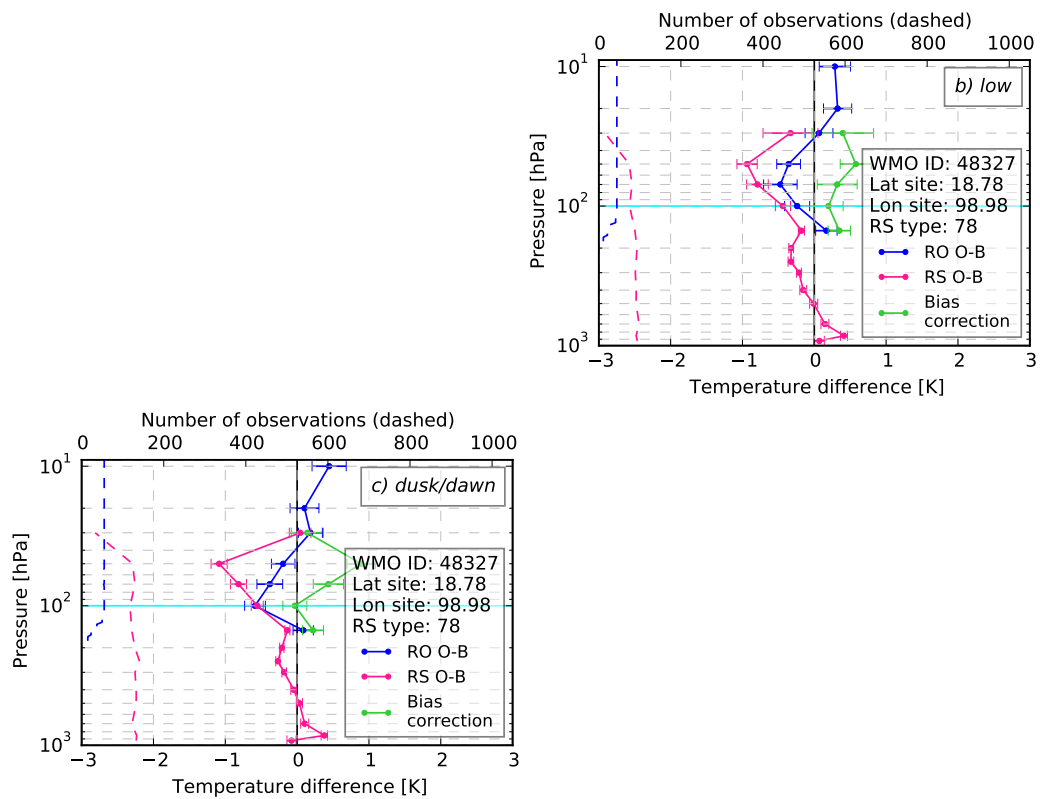
**Figure 1.319:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.320 WMO ID 48097



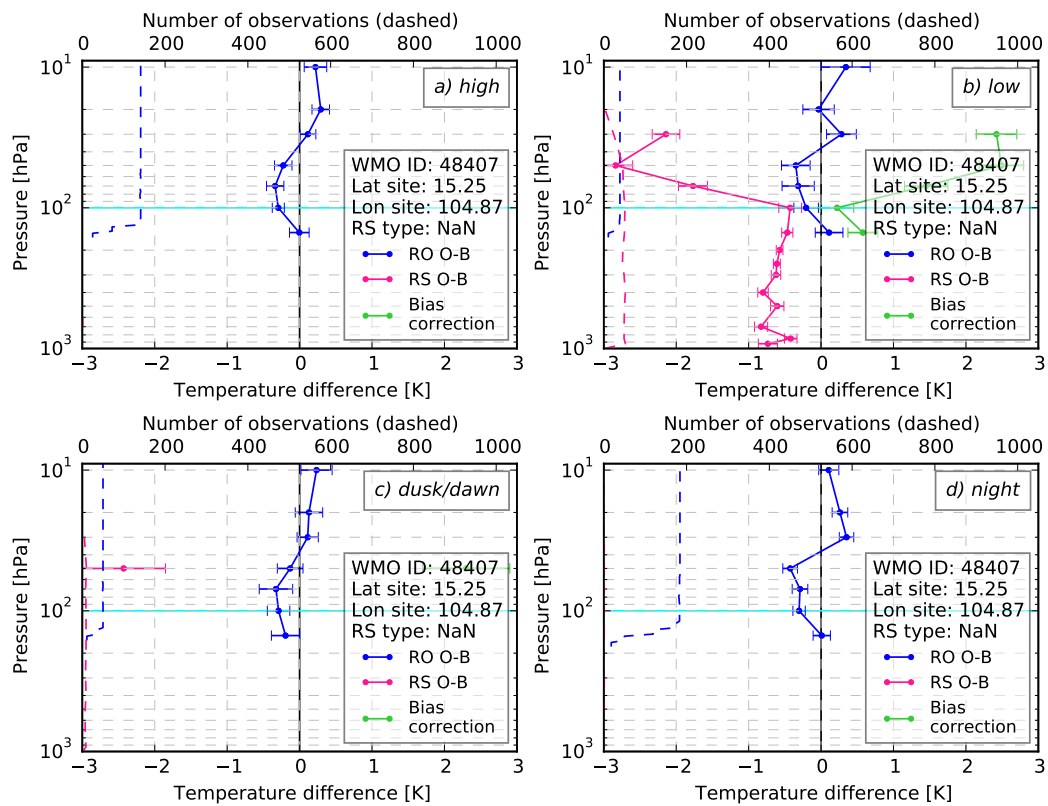
**Figure 1.320:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.321 WMO ID 48327



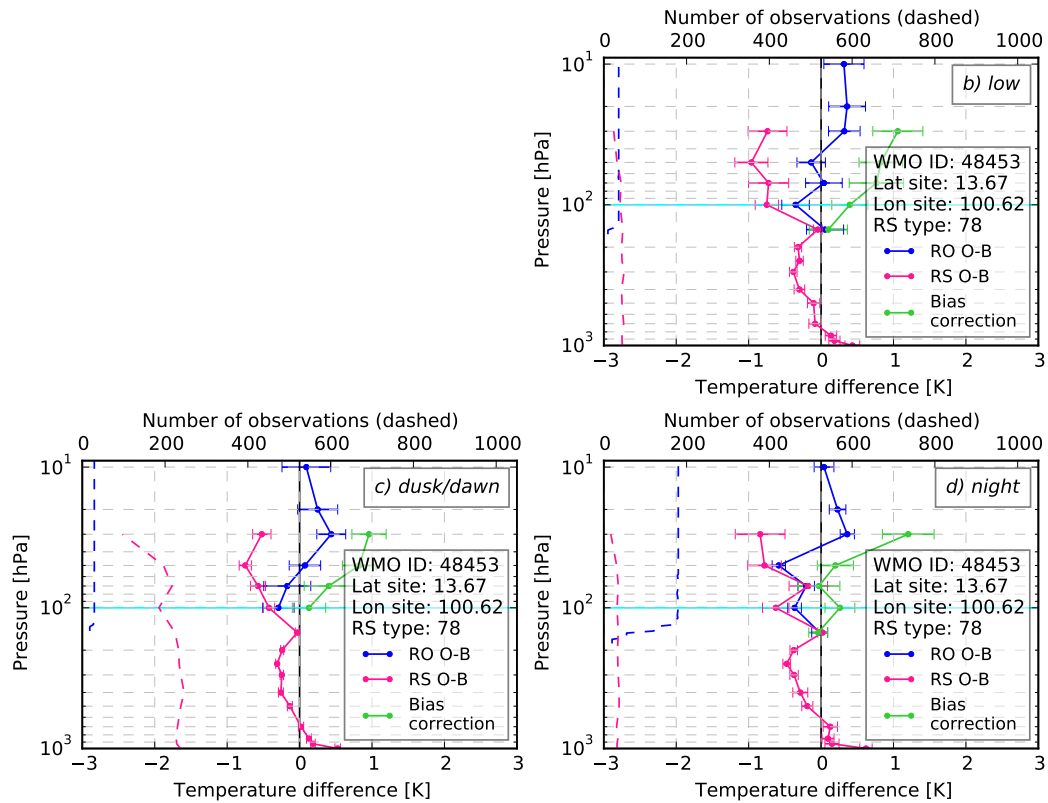
**Figure 1.321:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.322 WMO ID 48407



**Figure 1.322:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

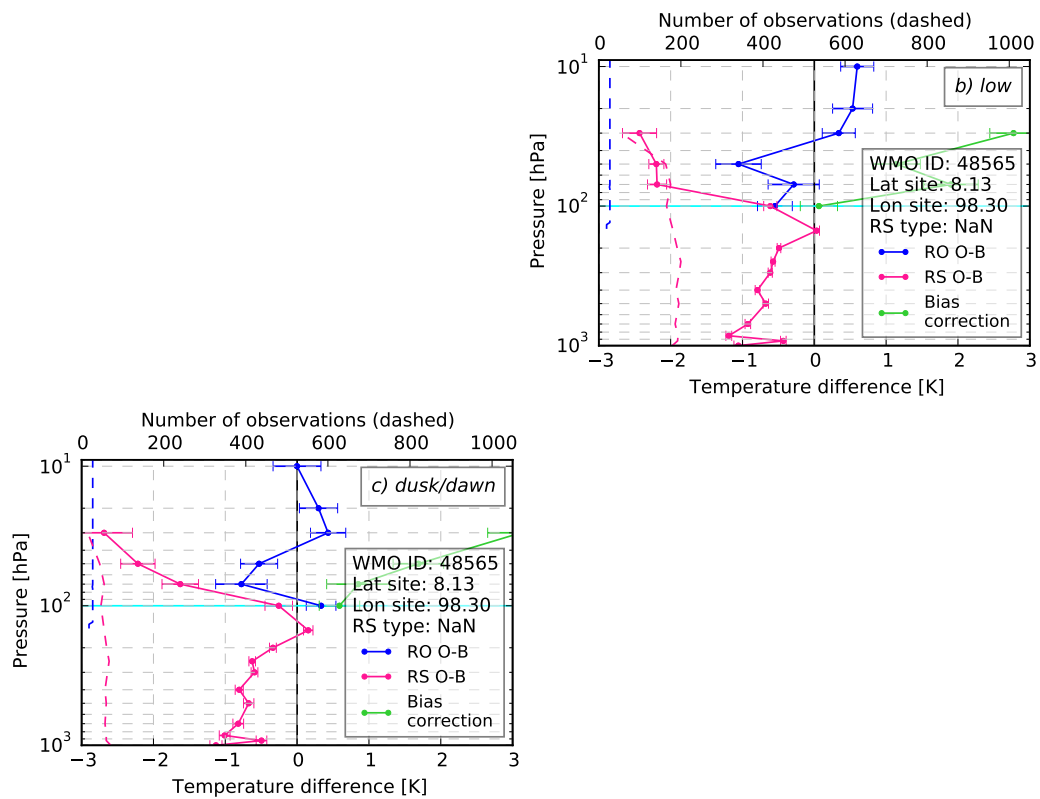
### 1.323 WMO ID 48453



**Figure 1.323:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

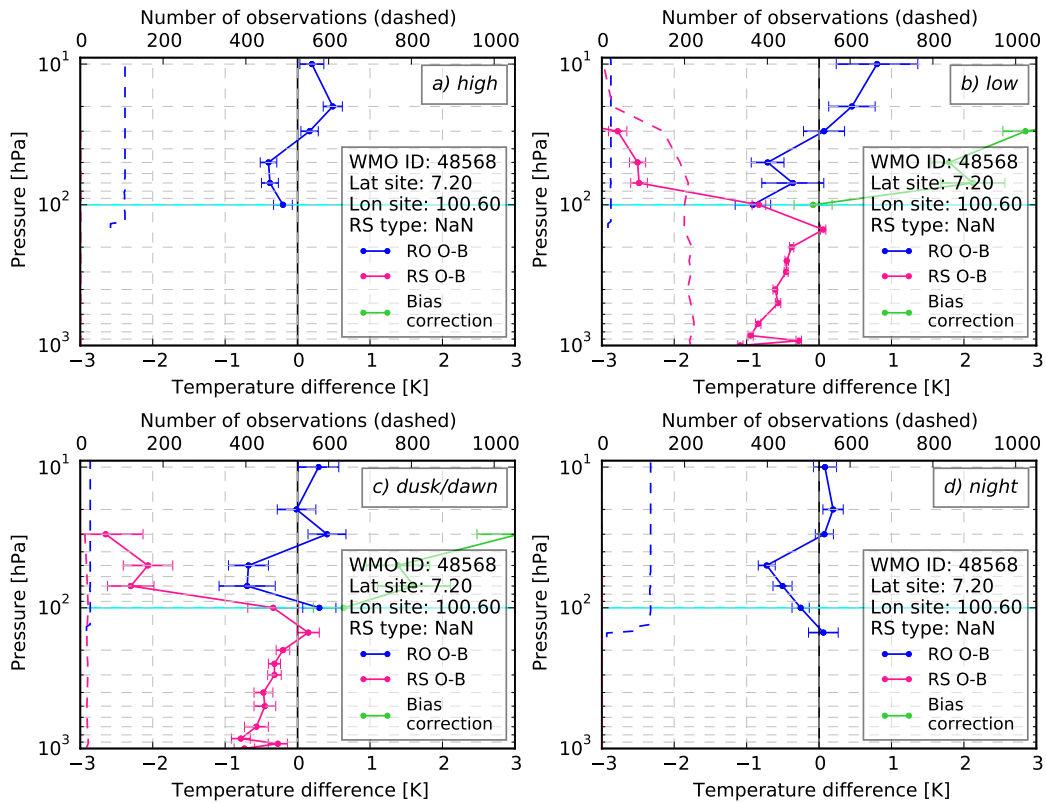


### 1.324 WMO ID 48565



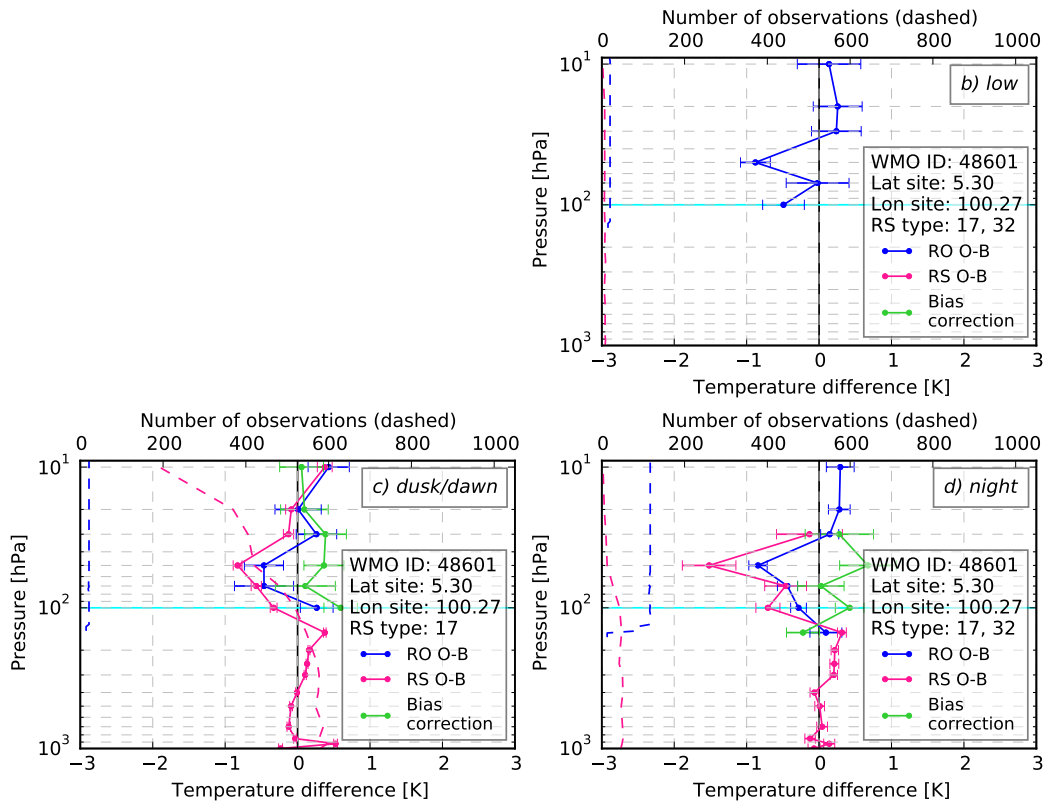
**Figure 1.324:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.325 WMO ID 48568



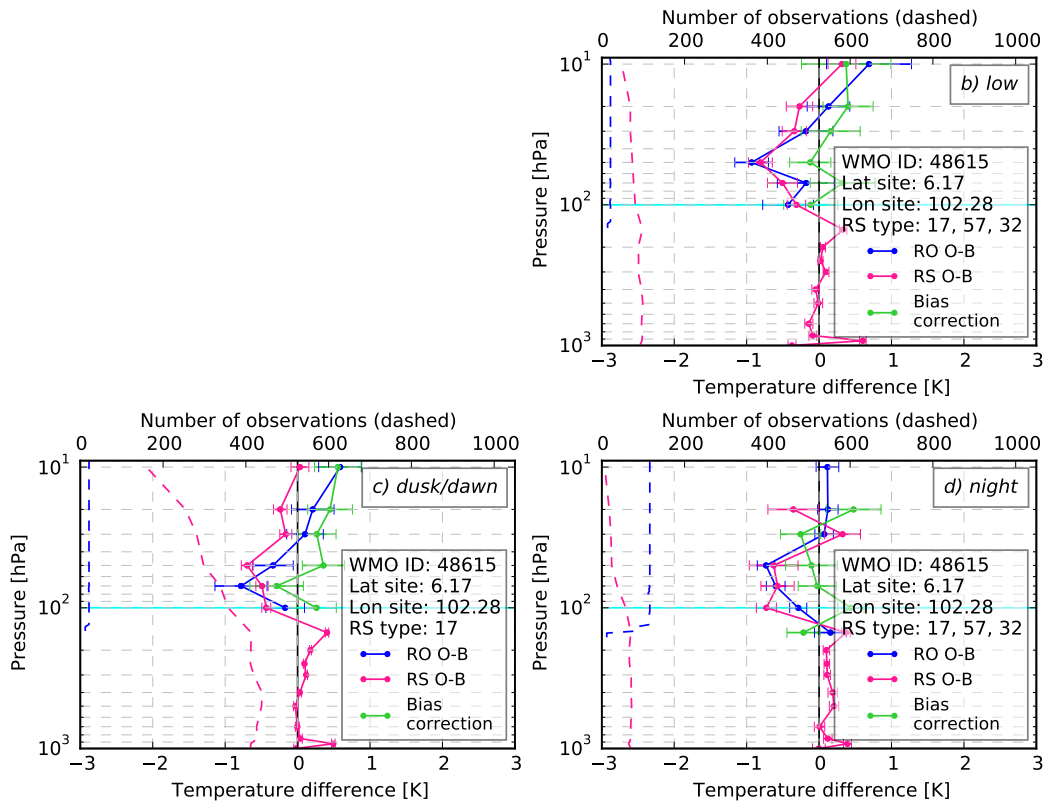
**Figure 1.325:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.326 WMO ID 48601



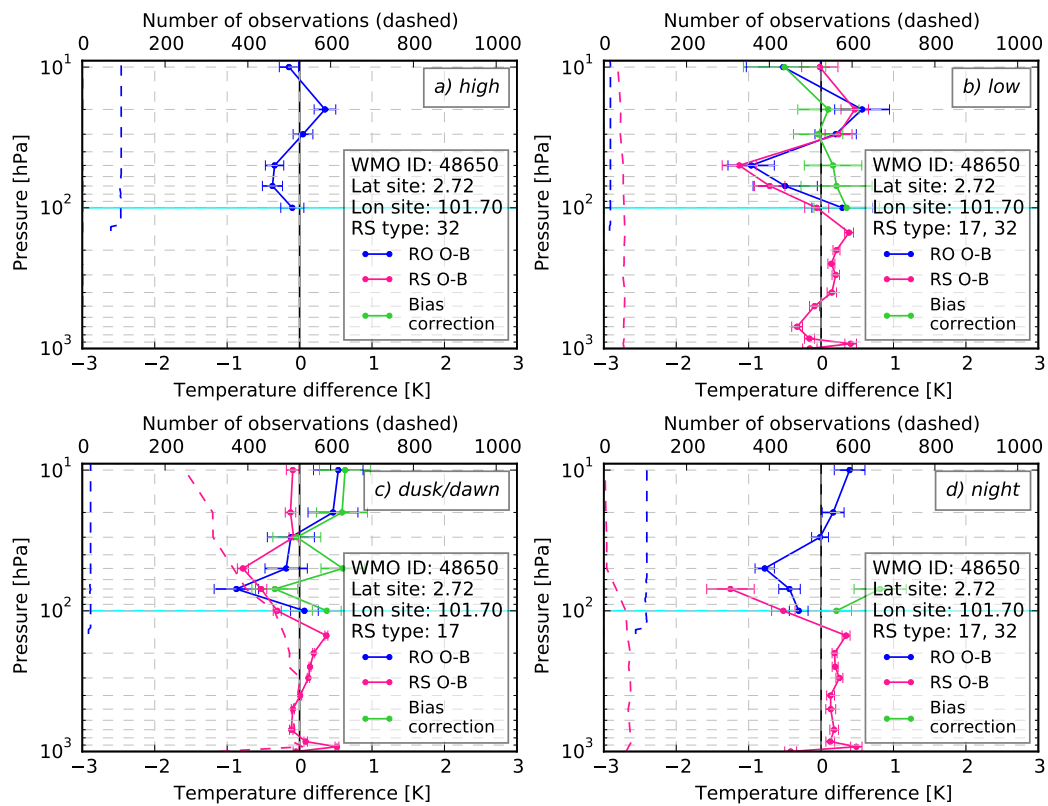
**Figure 1.326:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.327 WMO ID 48615



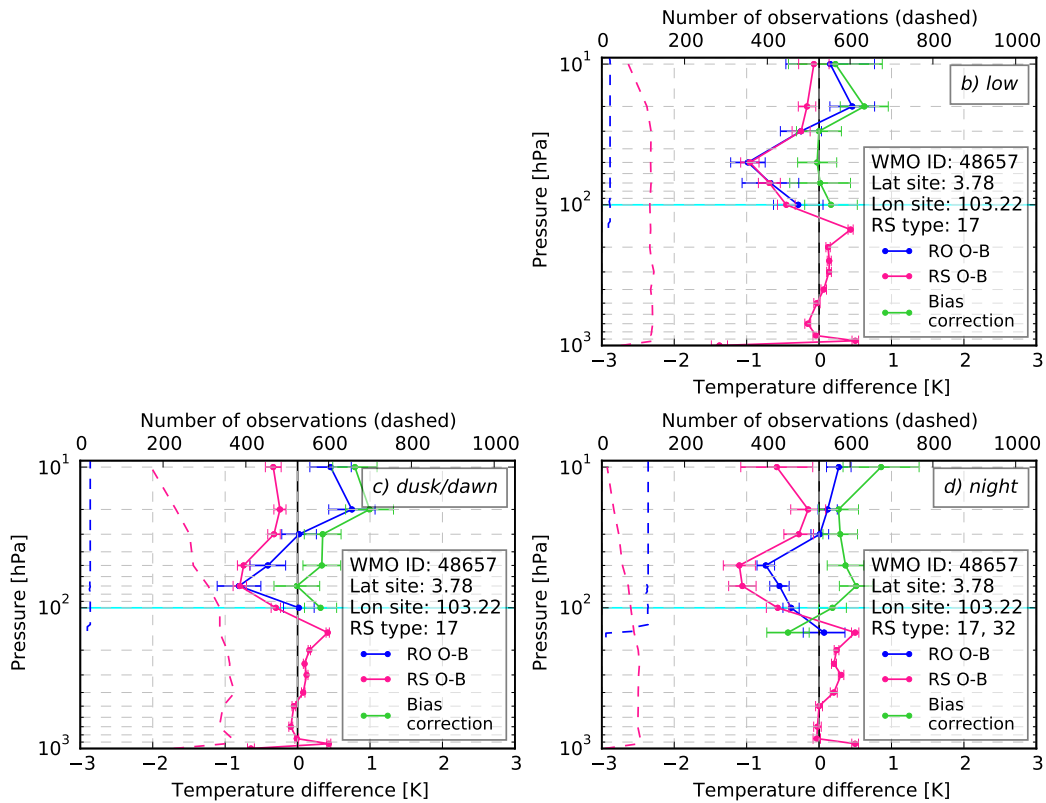
**Figure 1.327:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.328 WMO ID 48650



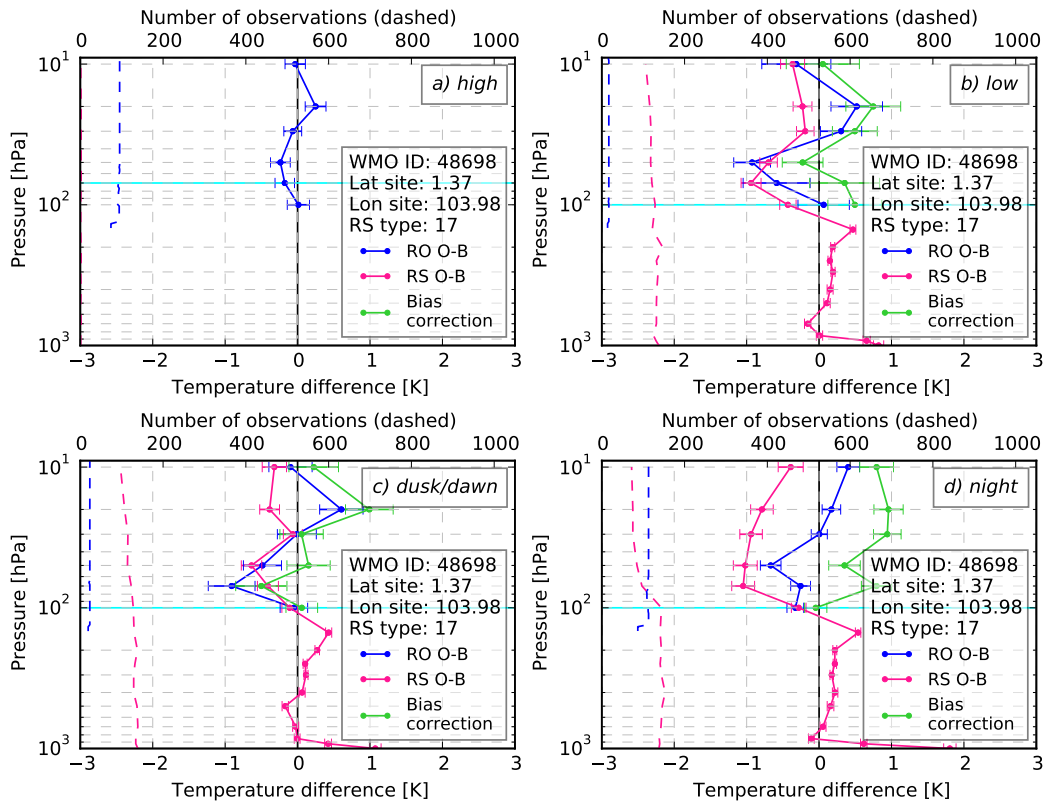
**Figure 1.328:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.329 WMO ID 48657



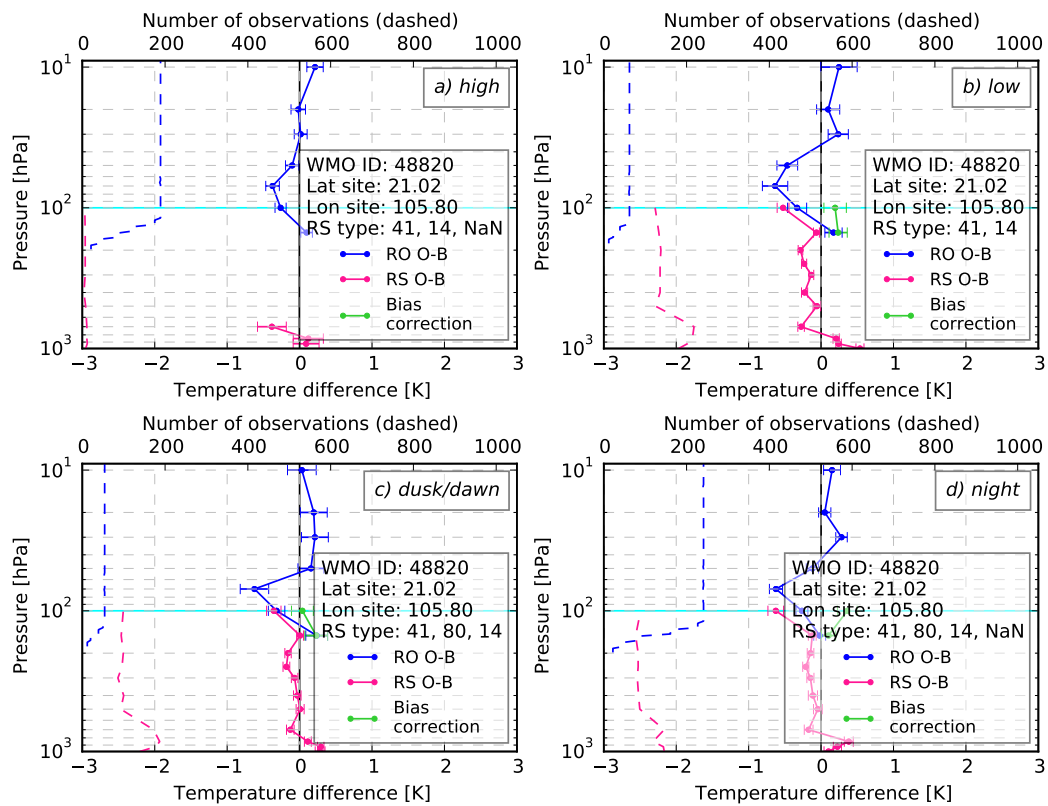
**Figure 1.329:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.330 WMO ID 48698



**Figure 1.330:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

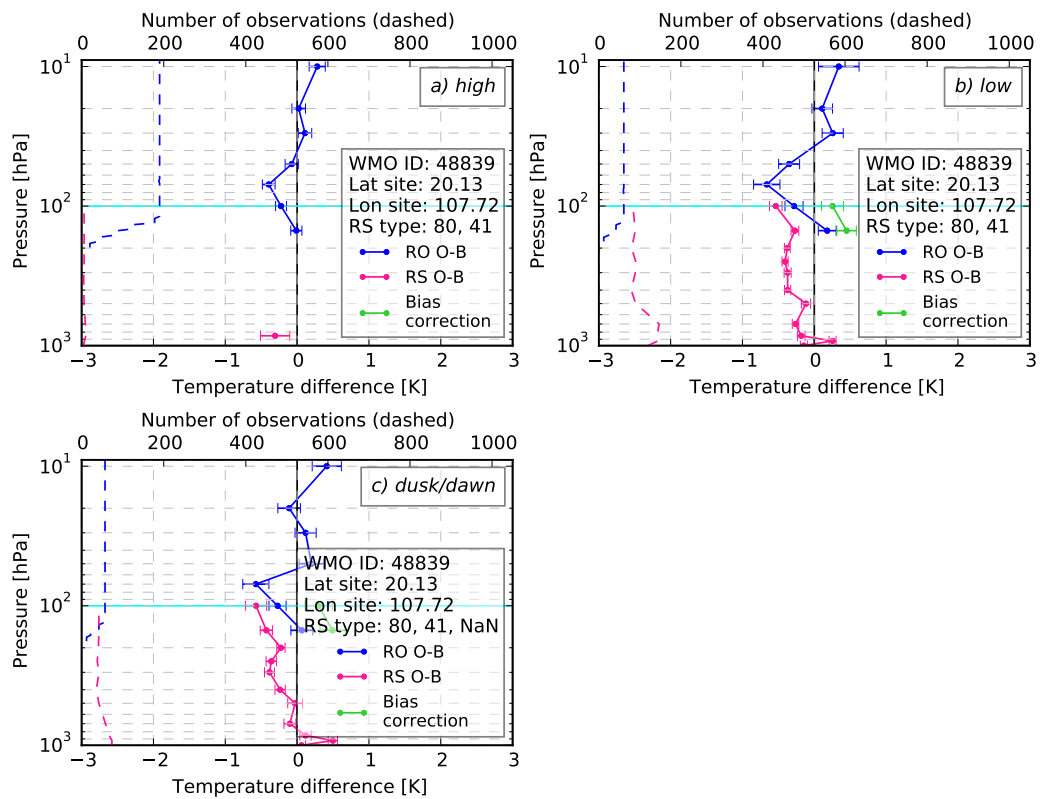
### 1.331 WMO ID 48820



**Figure 1.331:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

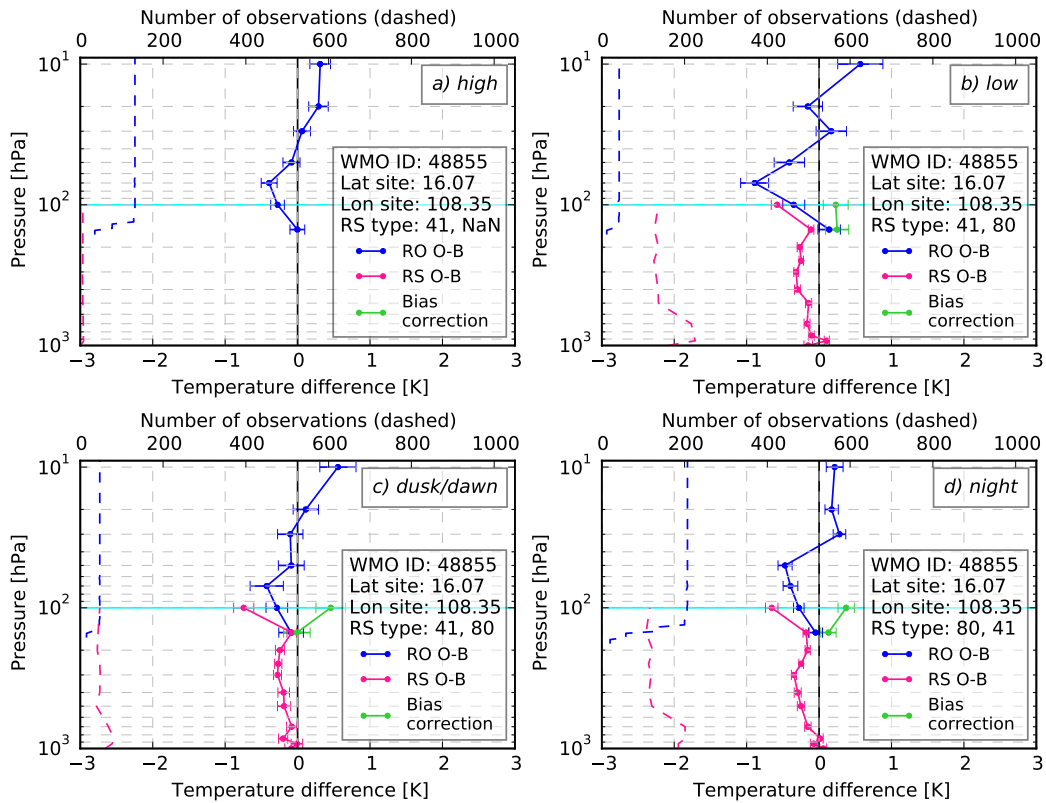


### 1.332 WMO ID 48839



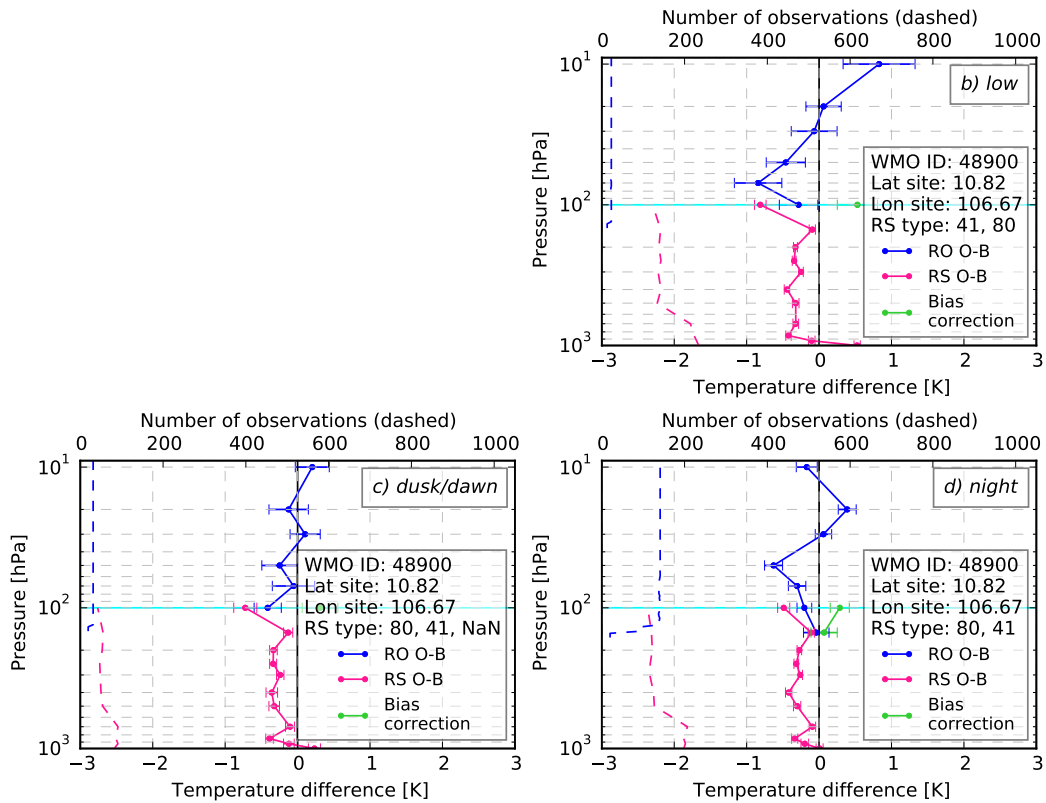
**Figure 1.332:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.333 WMO ID 48855



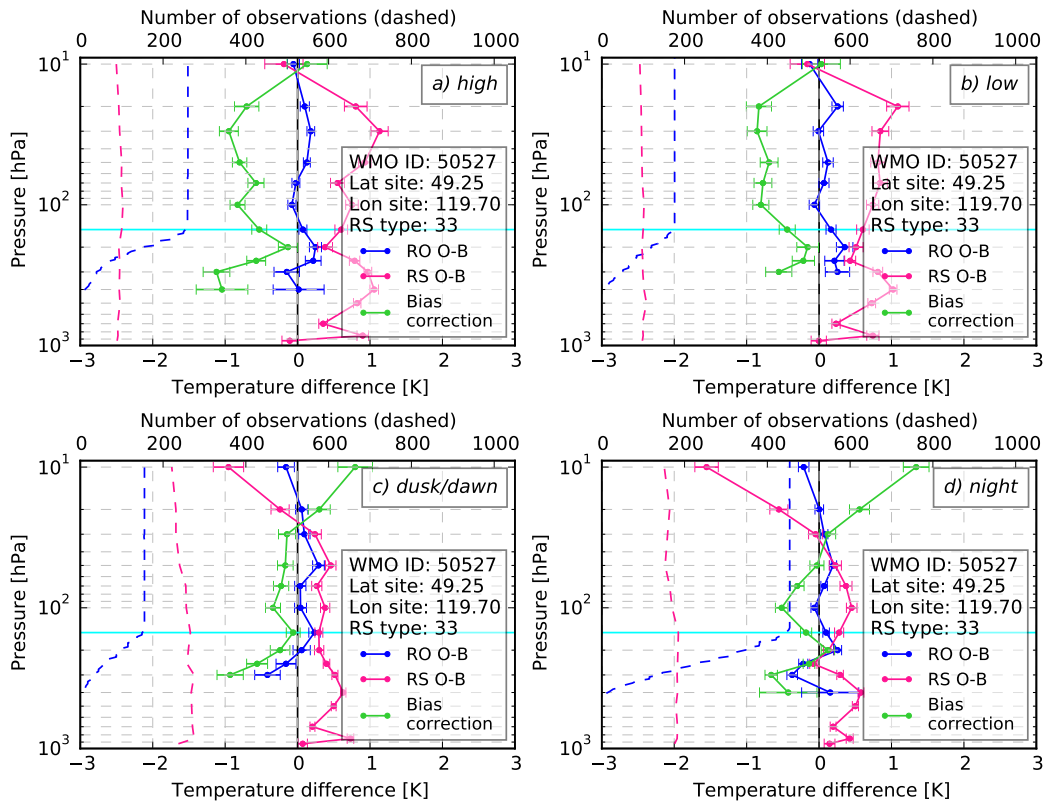
**Figure 1.333:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.334 WMO ID 48900



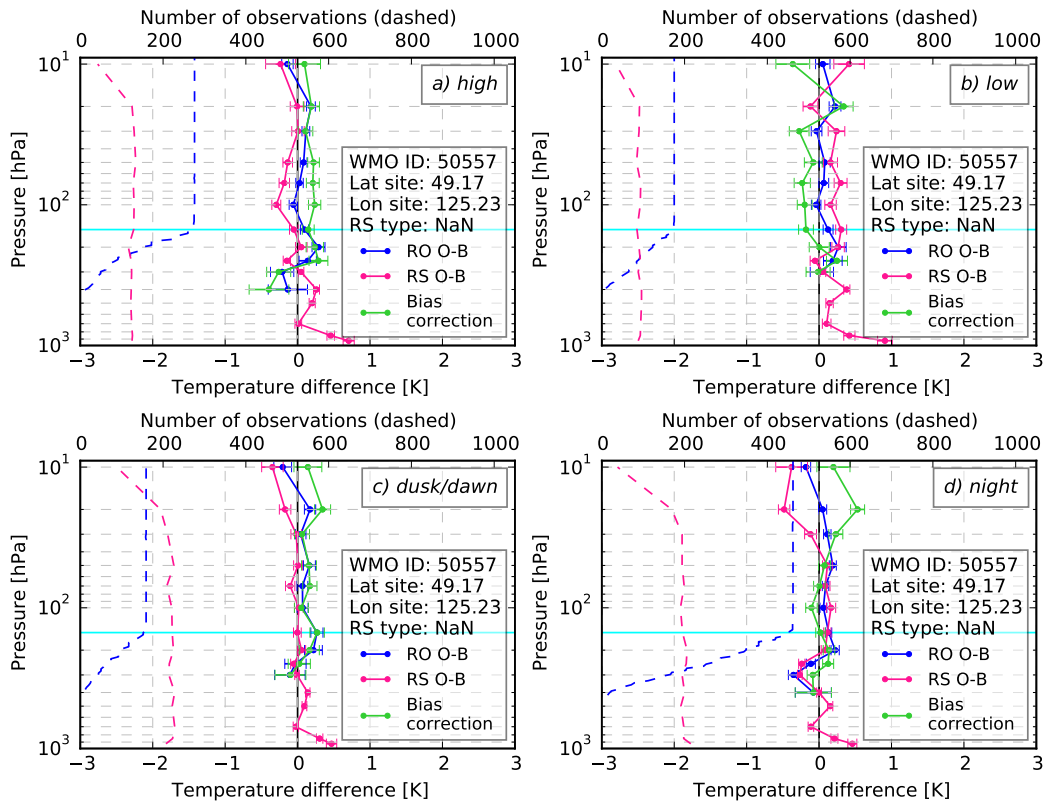
**Figure 1.334:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.335 WMO ID 50527



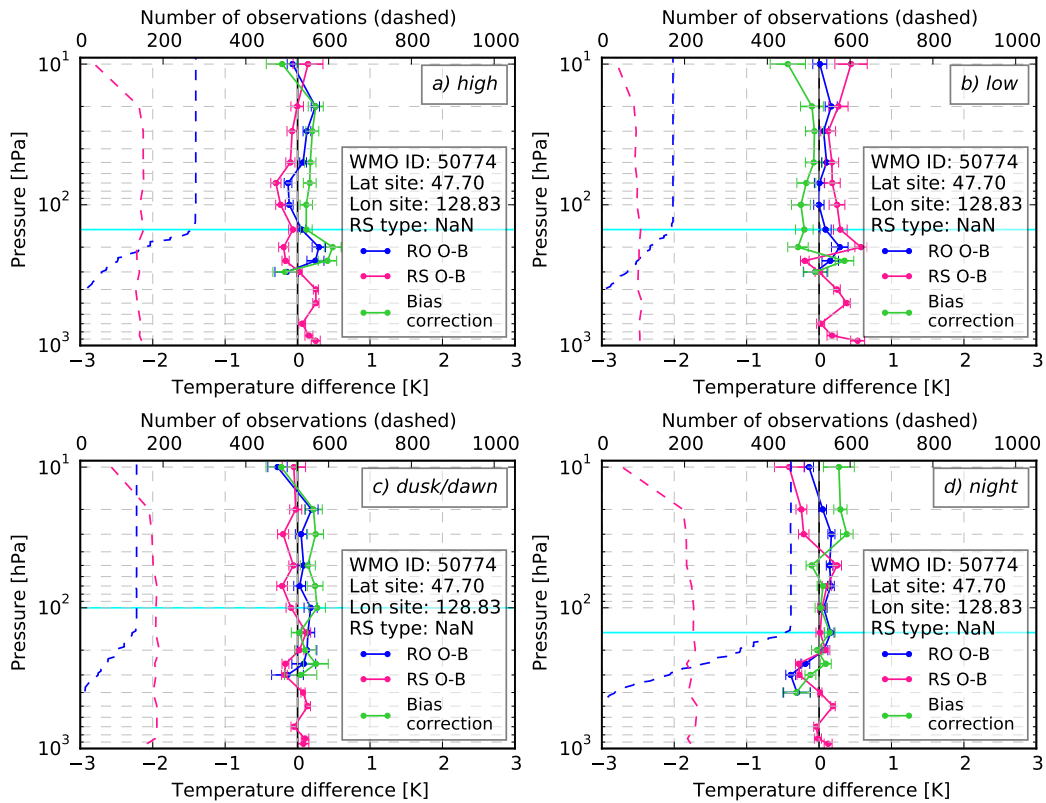
**Figure 1.335:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.336 WMO ID 50557



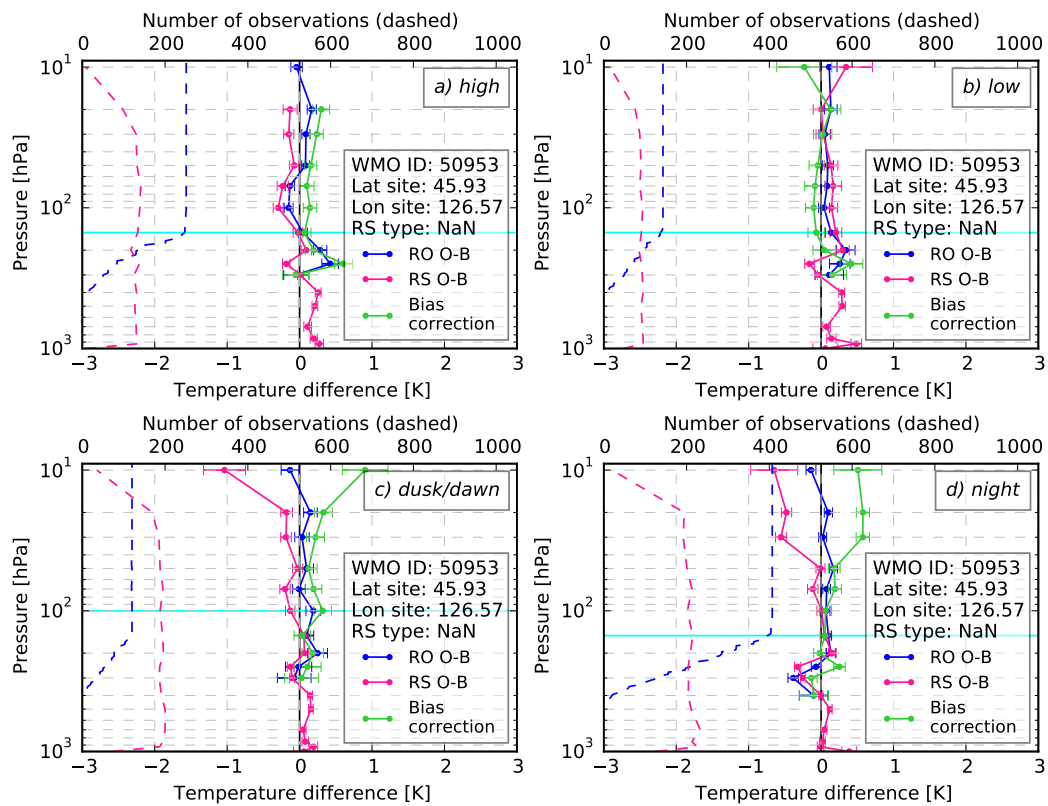
**Figure 1.336:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.337 WMO ID 50774



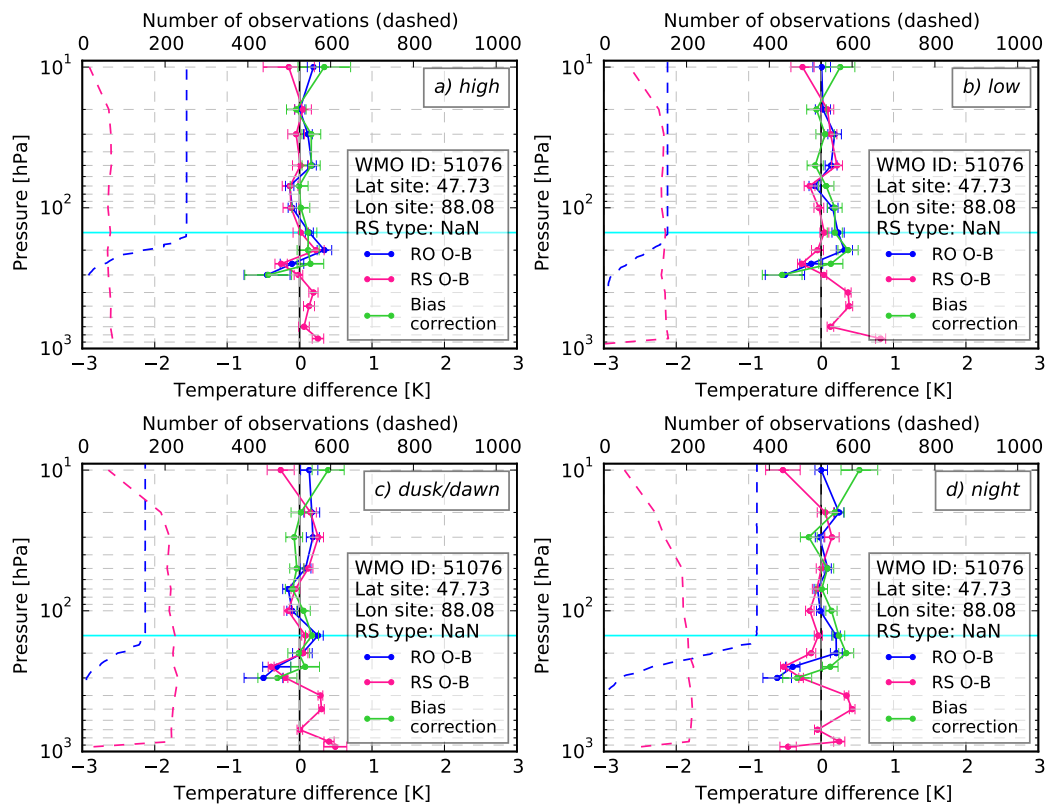
**Figure 1.337:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.338 WMO ID 50953



**Figure 1.338:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

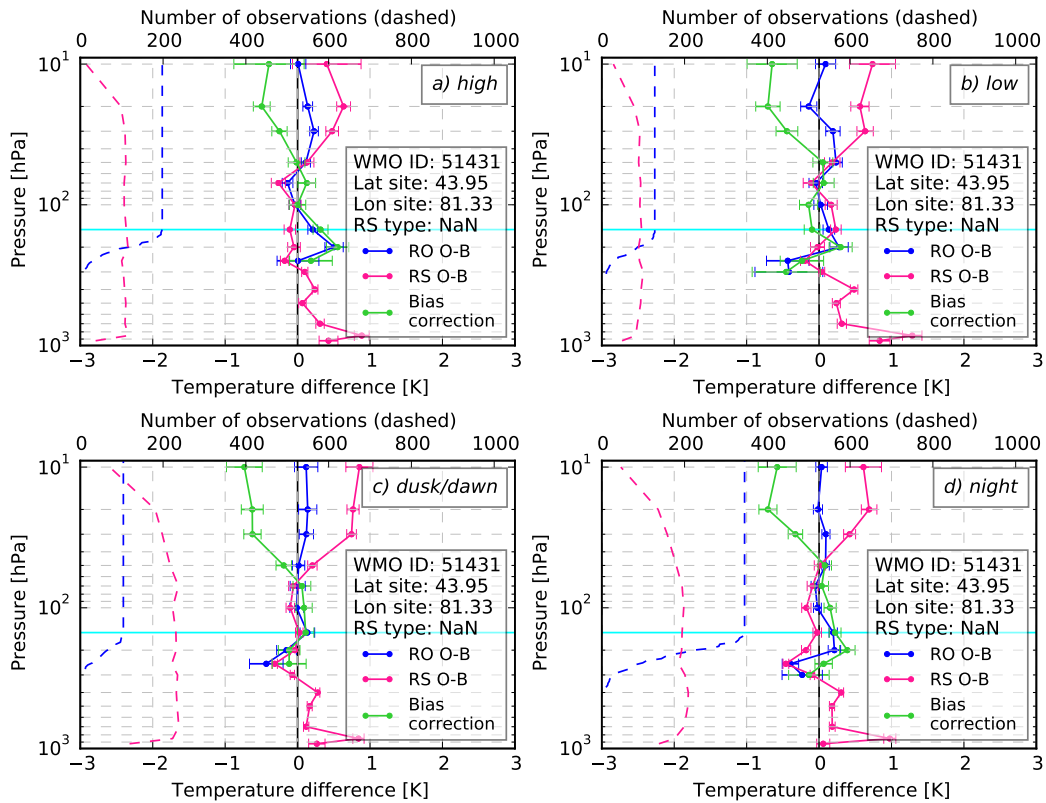
### 1.339 WMO ID 51076



**Figure 1.339:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

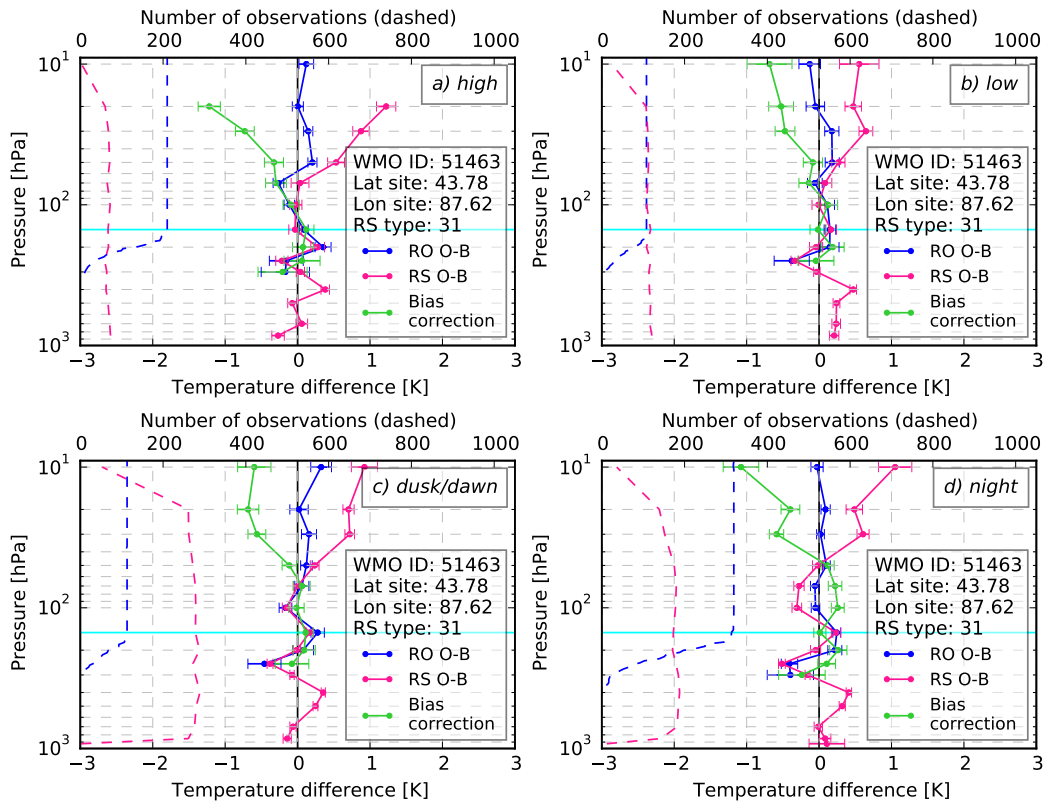


### 1.340 WMO ID 51431



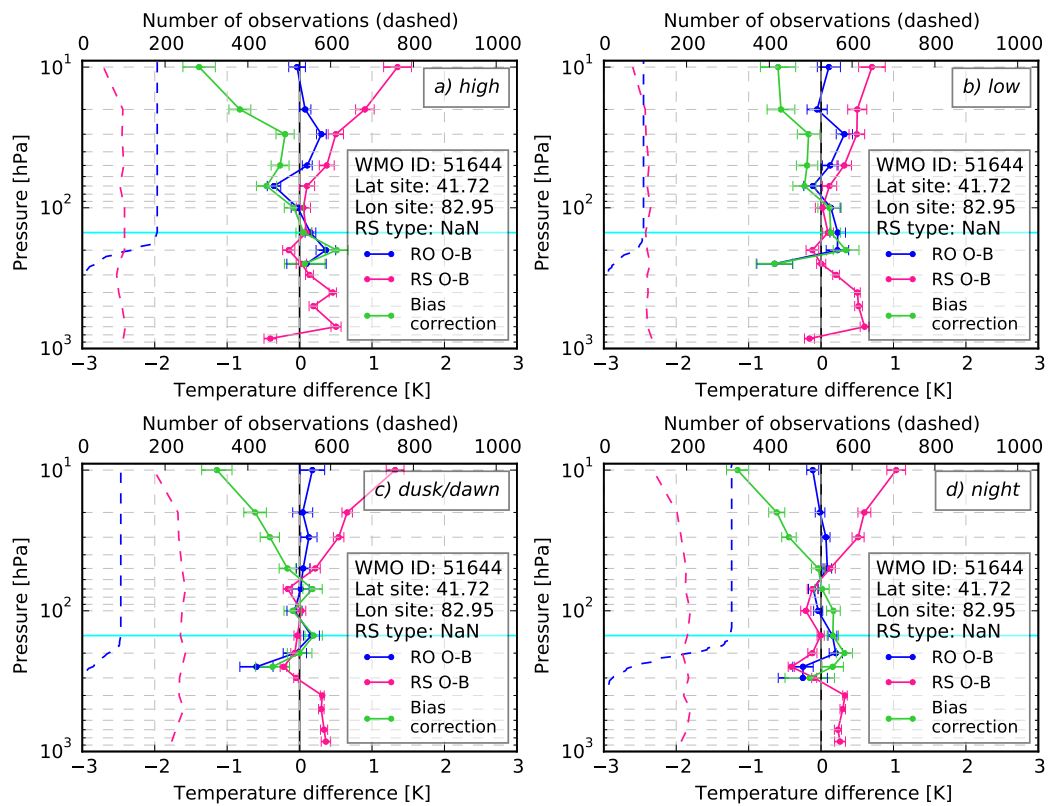
**Figure 1.340:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.341 WMO ID 51463



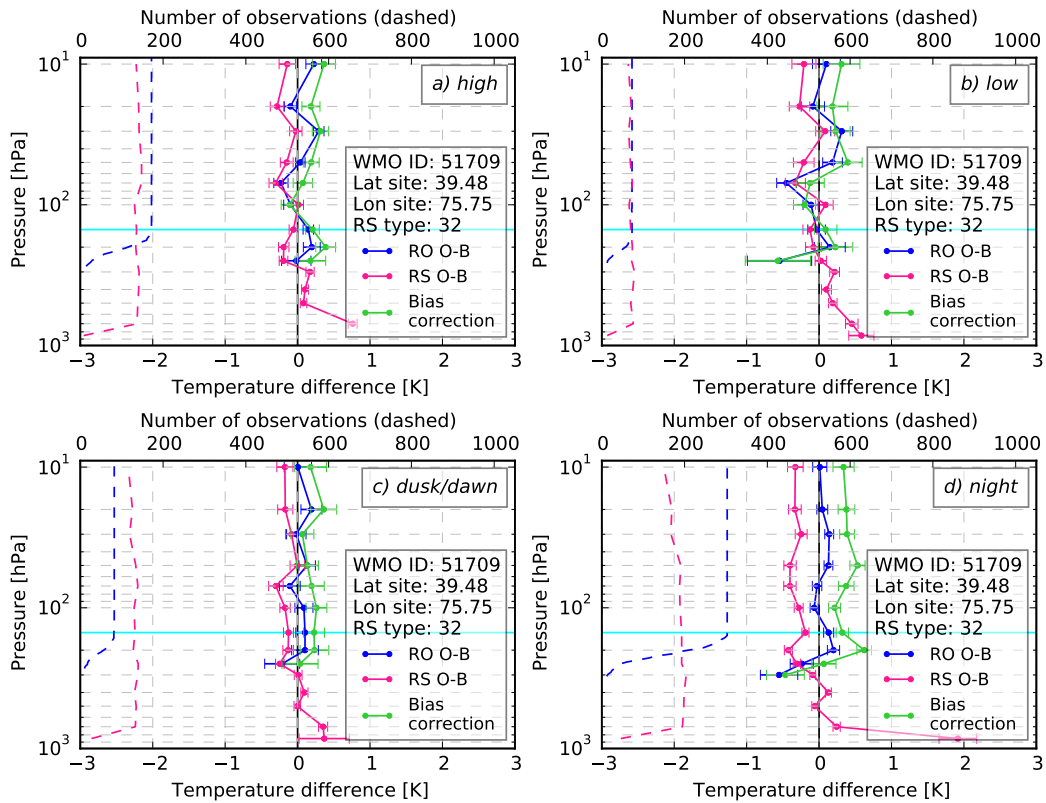
**Figure 1.341:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.342 WMO ID 51644



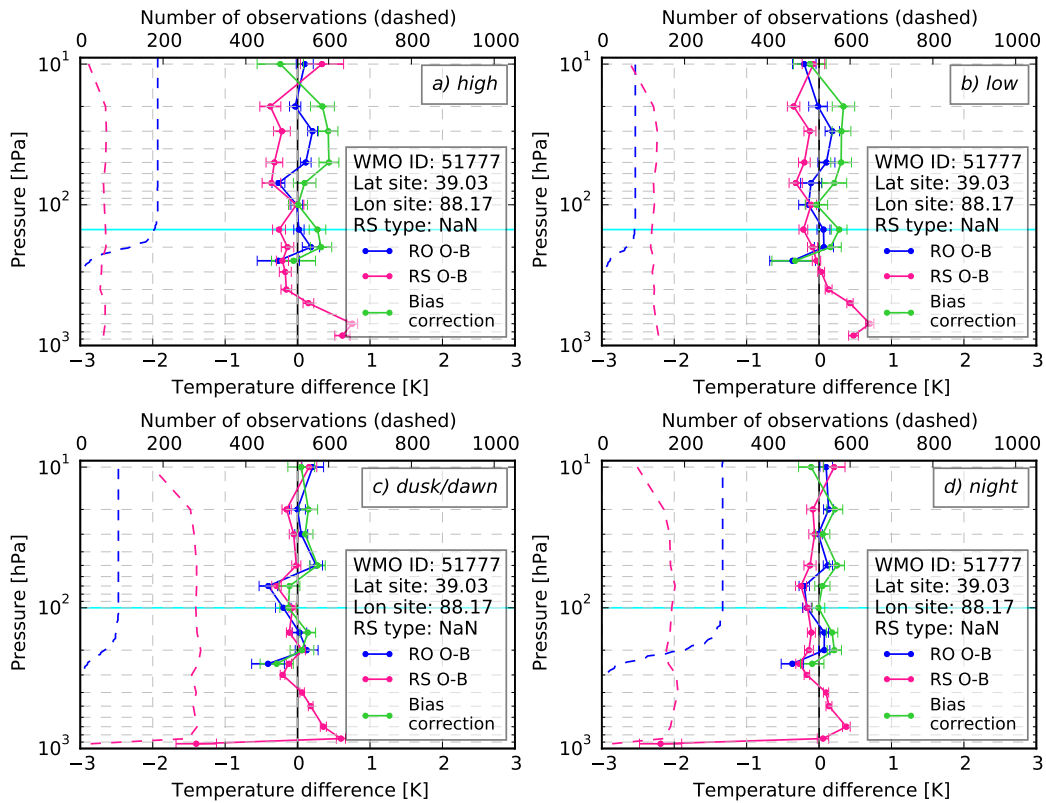
**Figure 1.342:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.343 WMO ID 51709



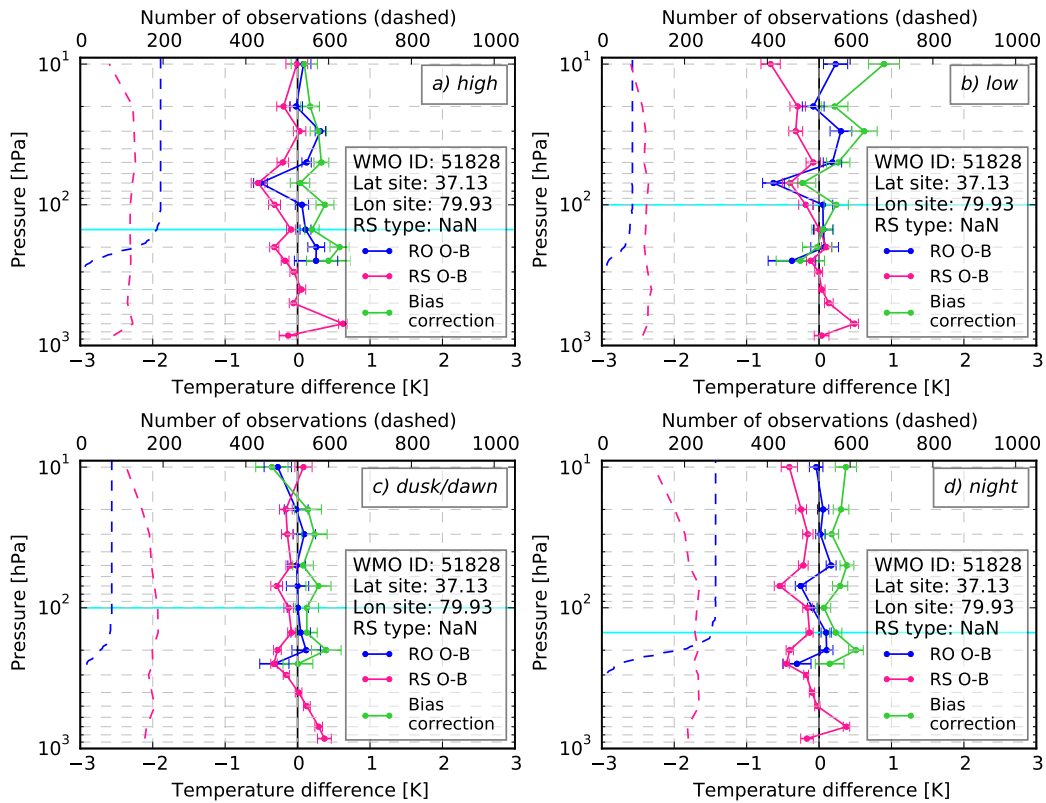
**Figure 1.343:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.344 WMO ID 51777



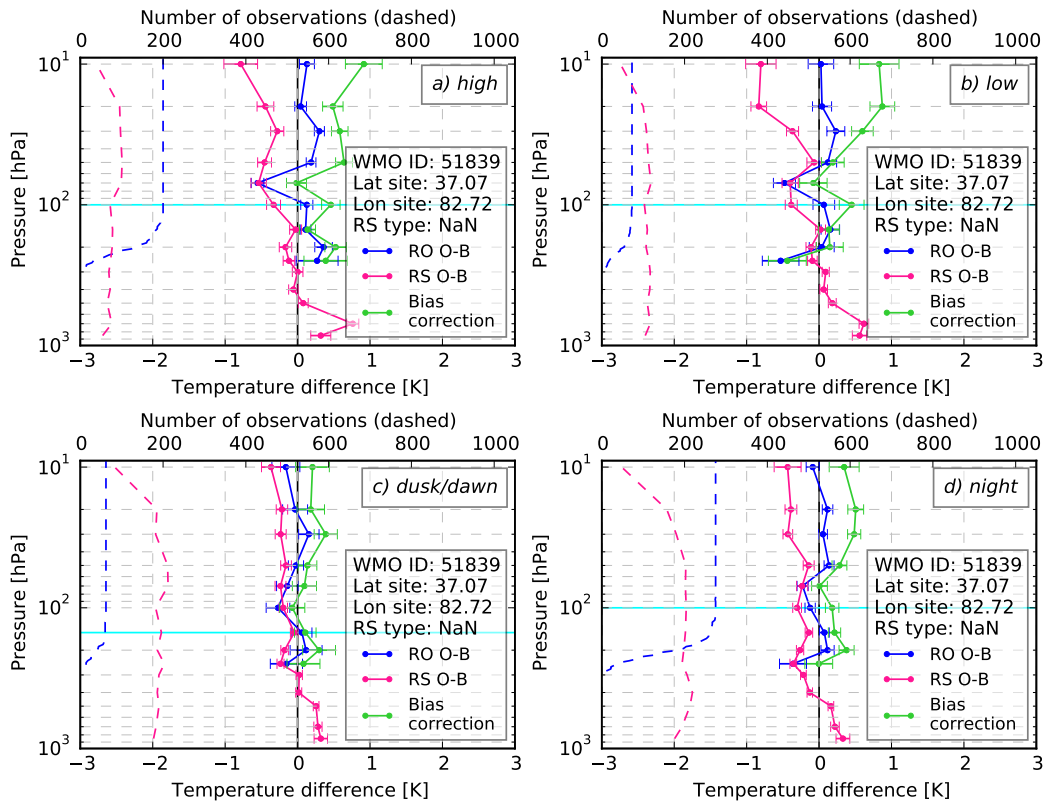
**Figure 1.344:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.345 WMO ID 51828



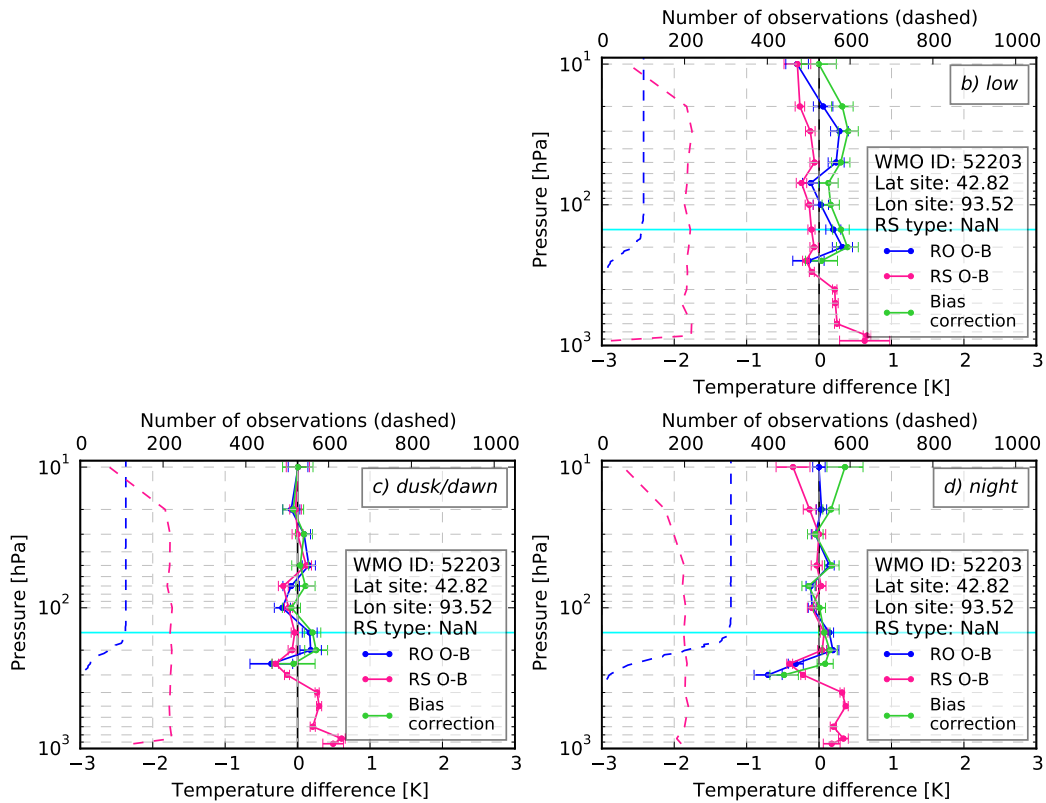
**Figure 1.345:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.346 WMO ID 51839



**Figure 1.346:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

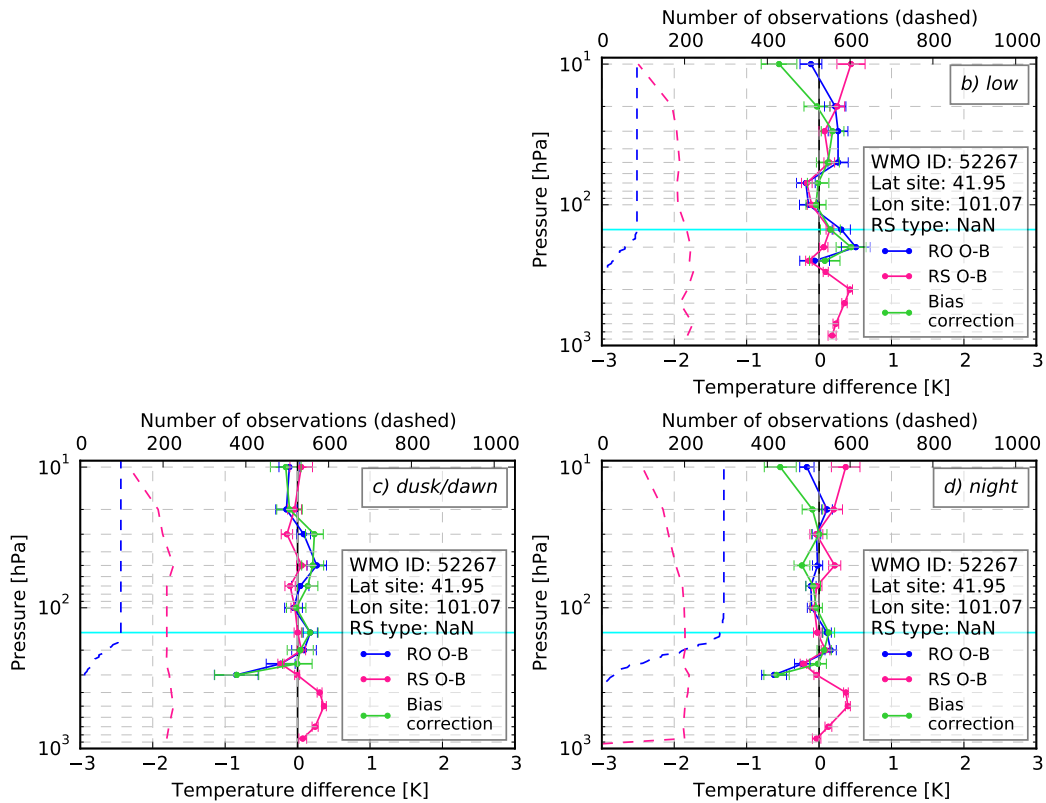
### 1.347 WMO ID 52203



**Figure 1.347:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

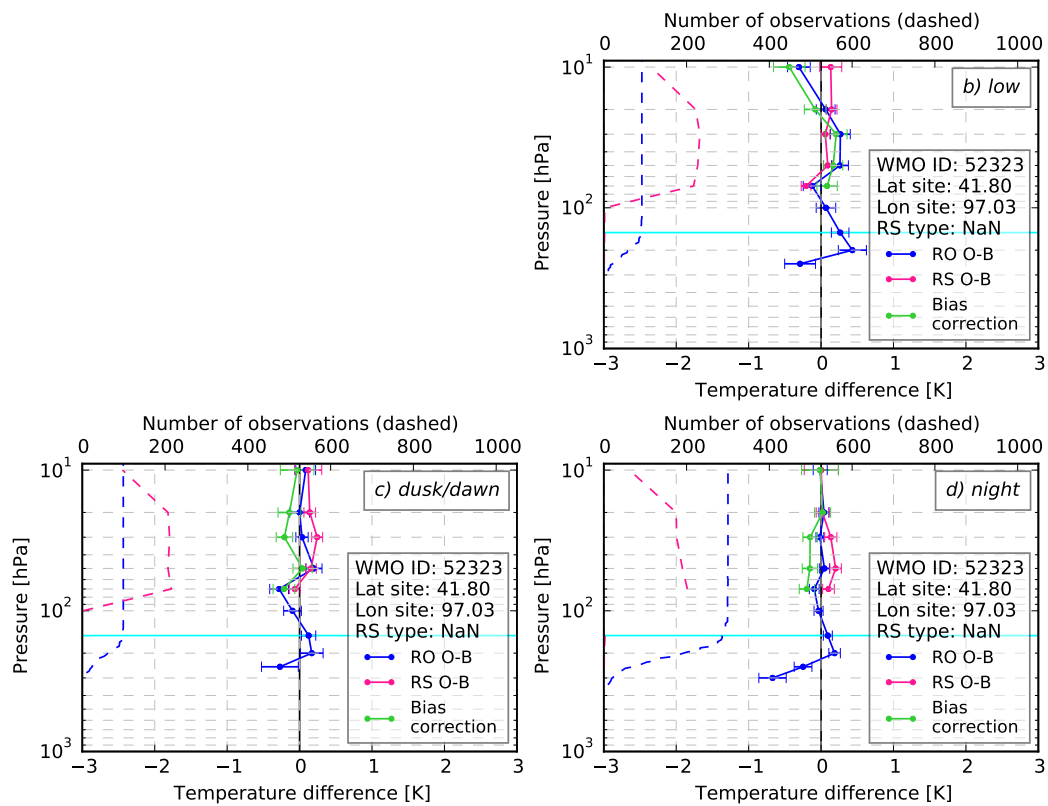


### 1.348 WMO ID 52267



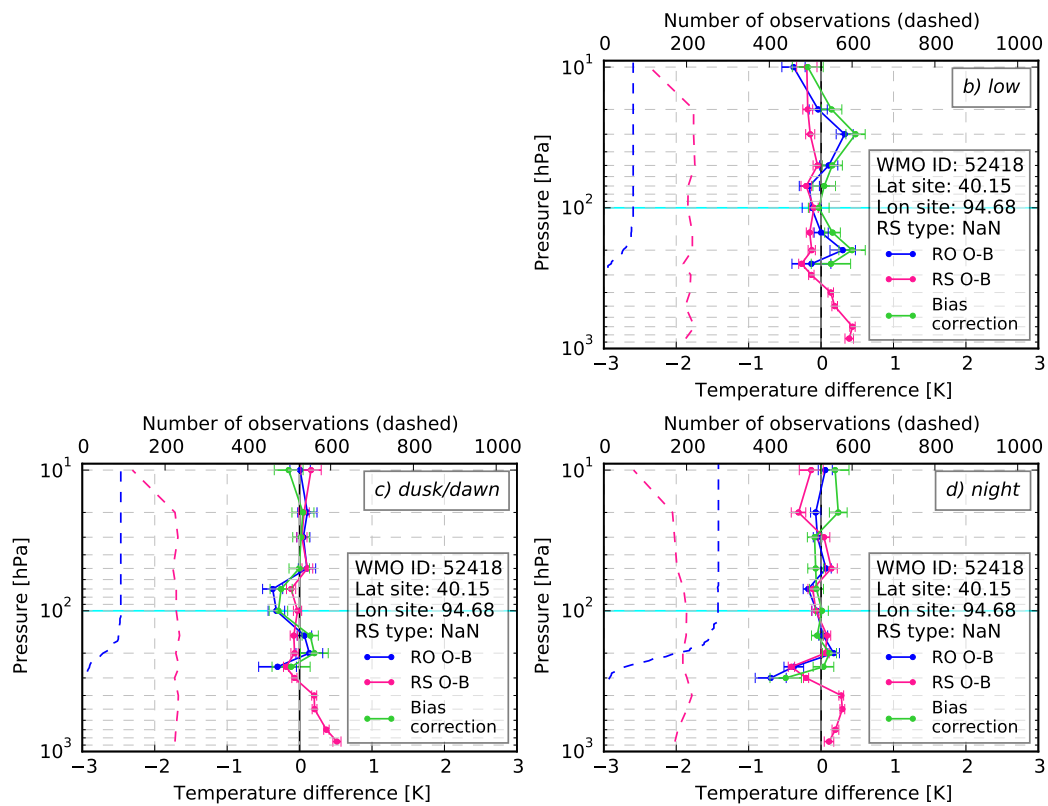
**Figure 1.348:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.349 WMO ID 52323



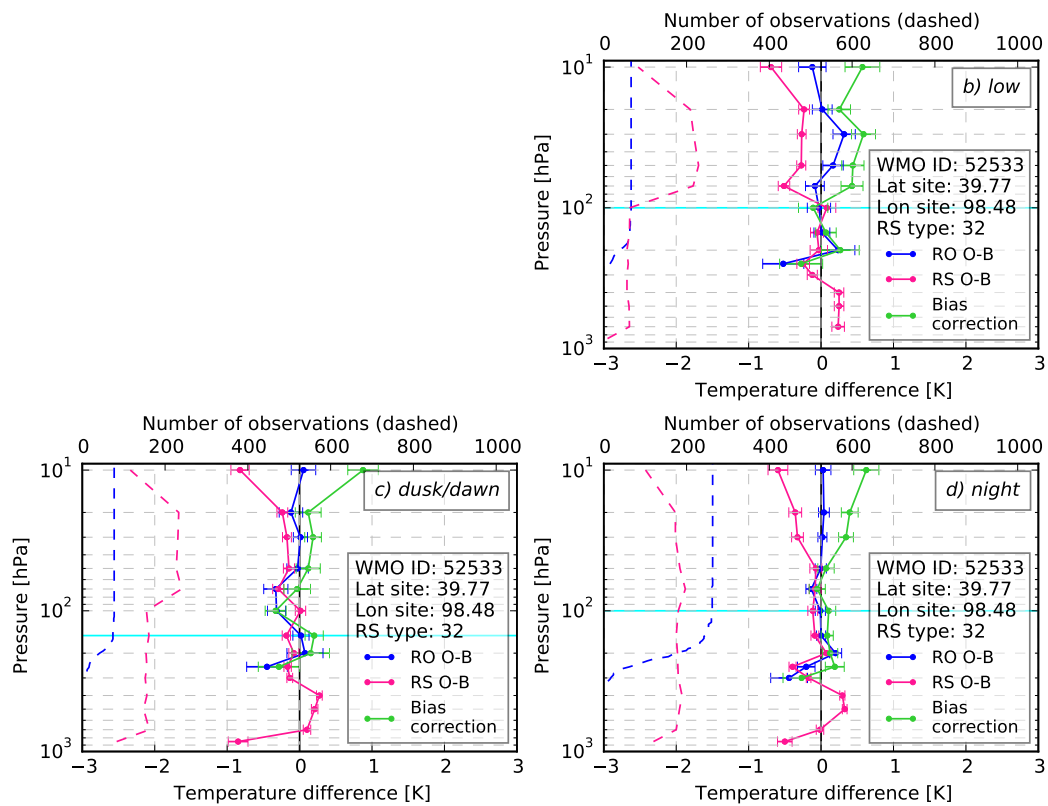
**Figure 1.349:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.350 WMO ID 52418



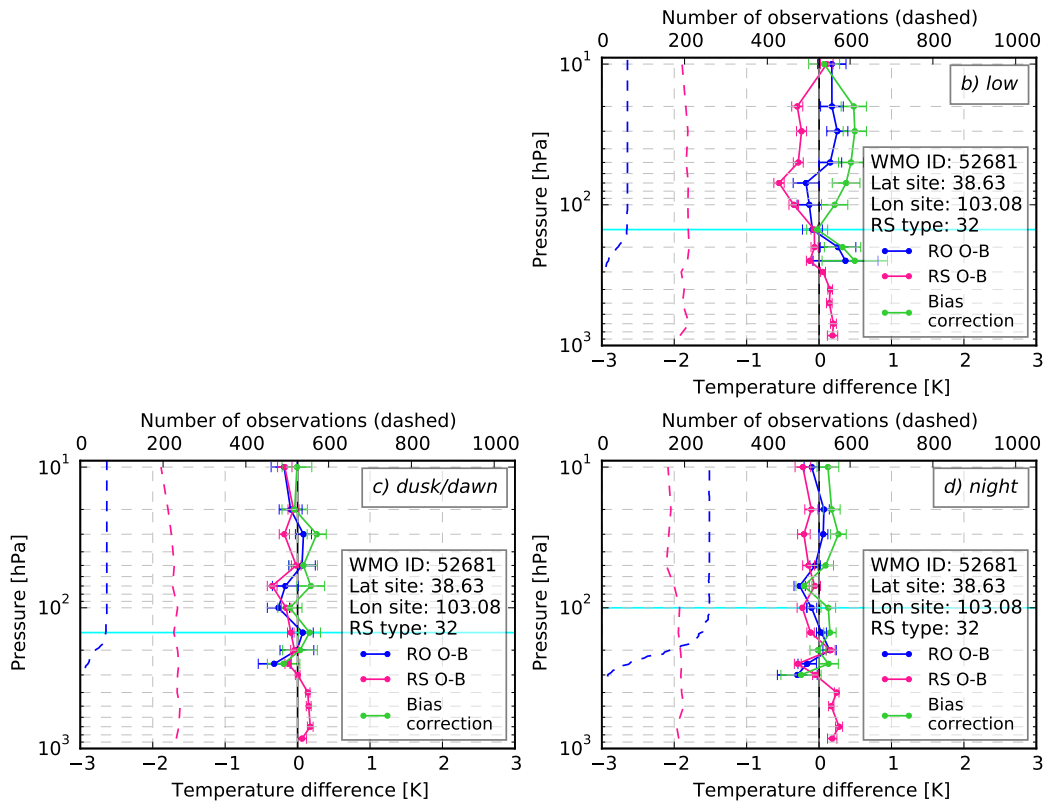
**Figure 1.350:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.351 WMO ID 52533



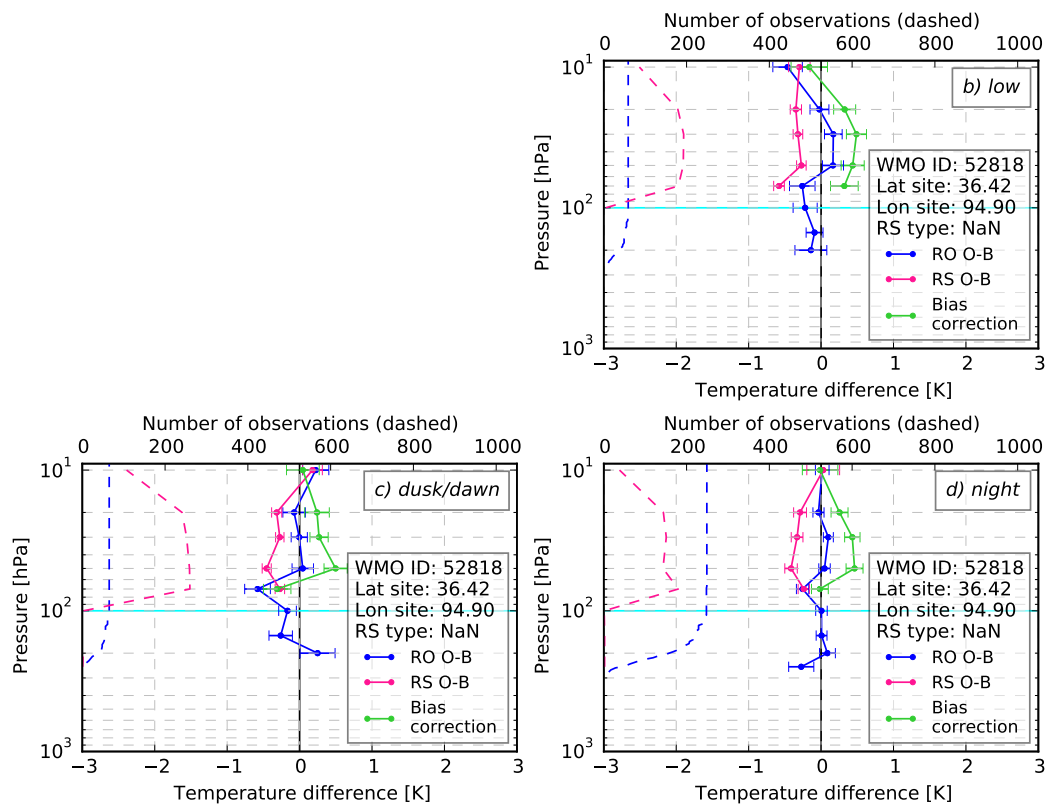
**Figure 1.351:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.352 WMO ID 52681



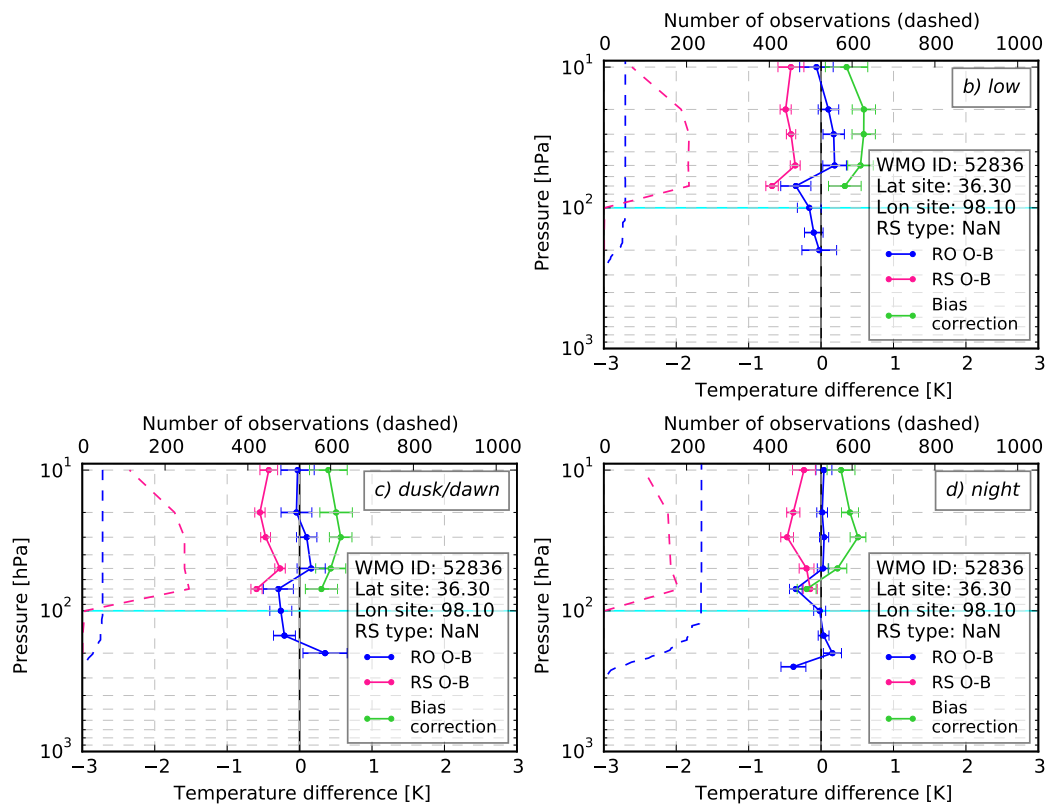
**Figure 1.352:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.353 WMO ID 52818



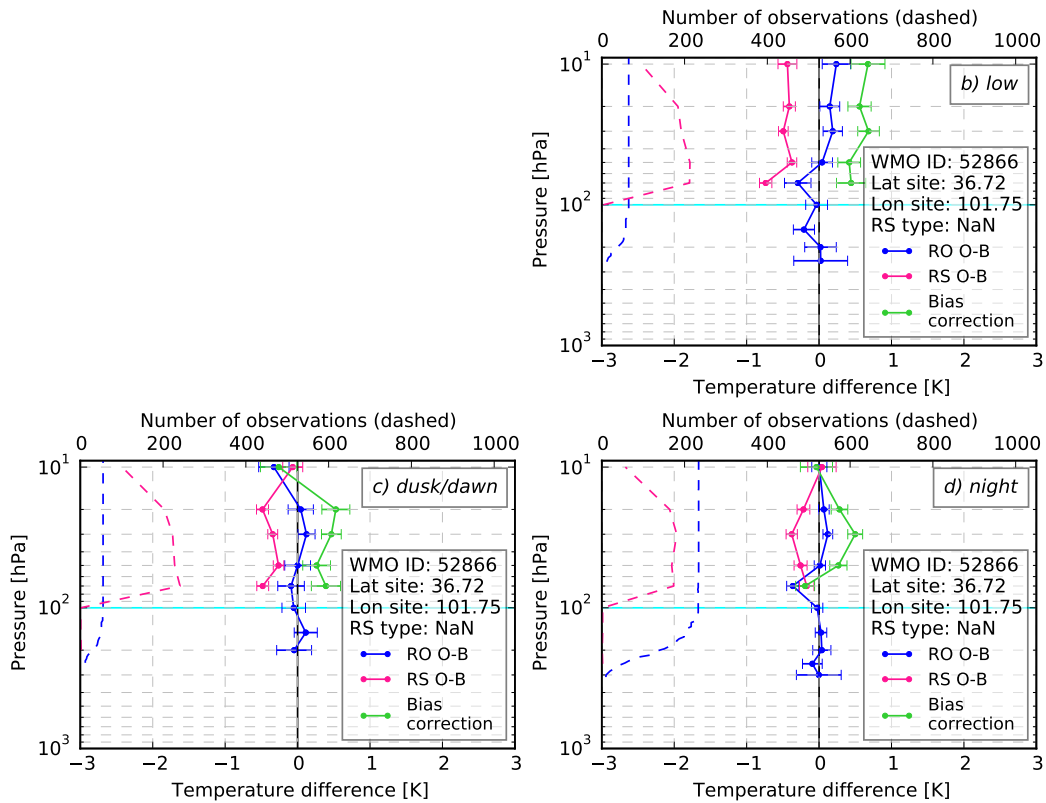
**Figure 1.353:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.354 WMO ID 52836



**Figure 1.354:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

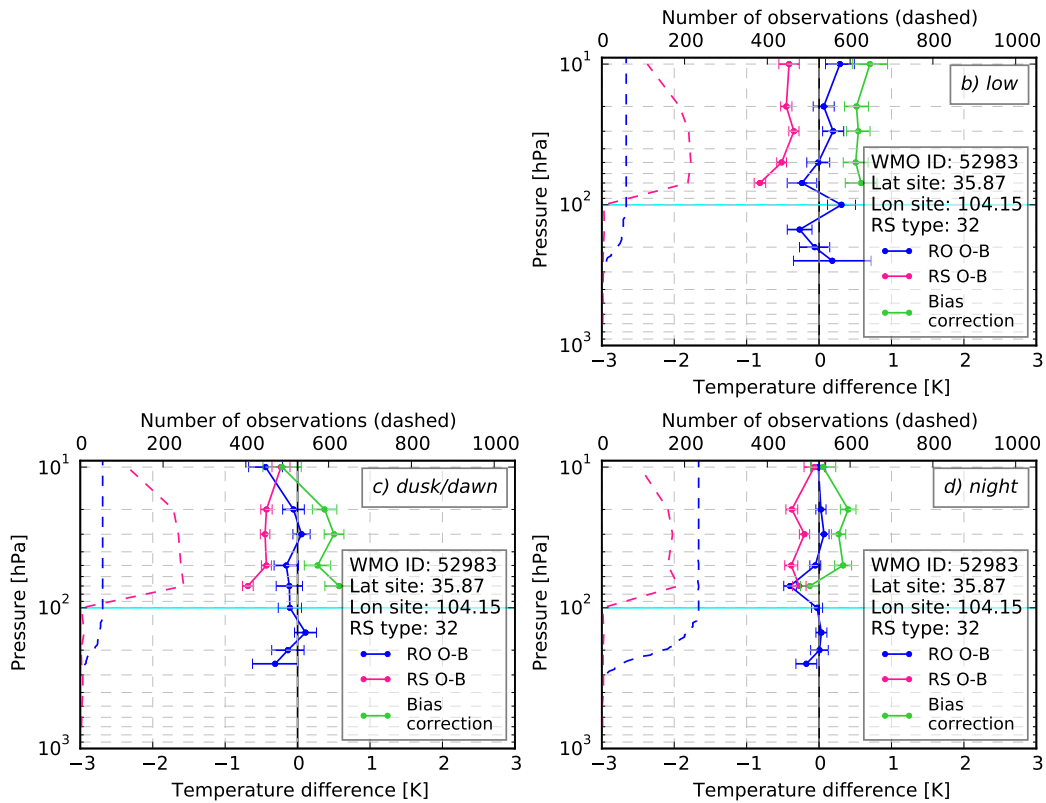
### 1.355 WMO ID 52866



**Figure 1.355:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

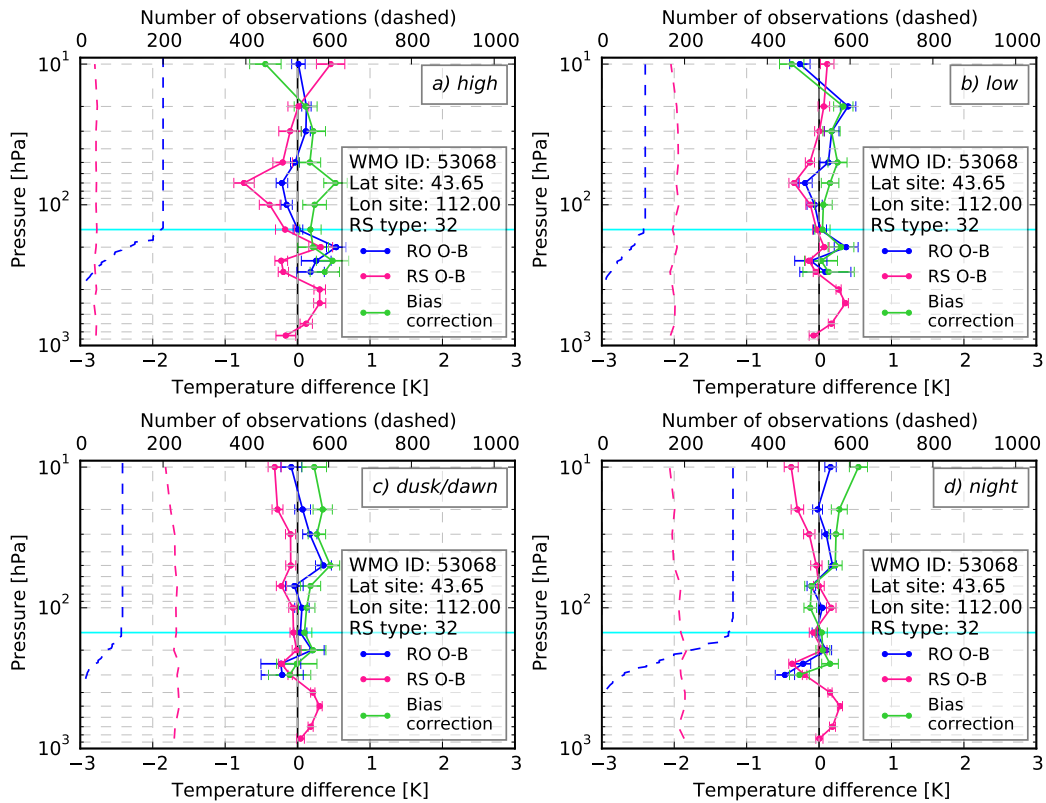


### 1.356 WMO ID 52983



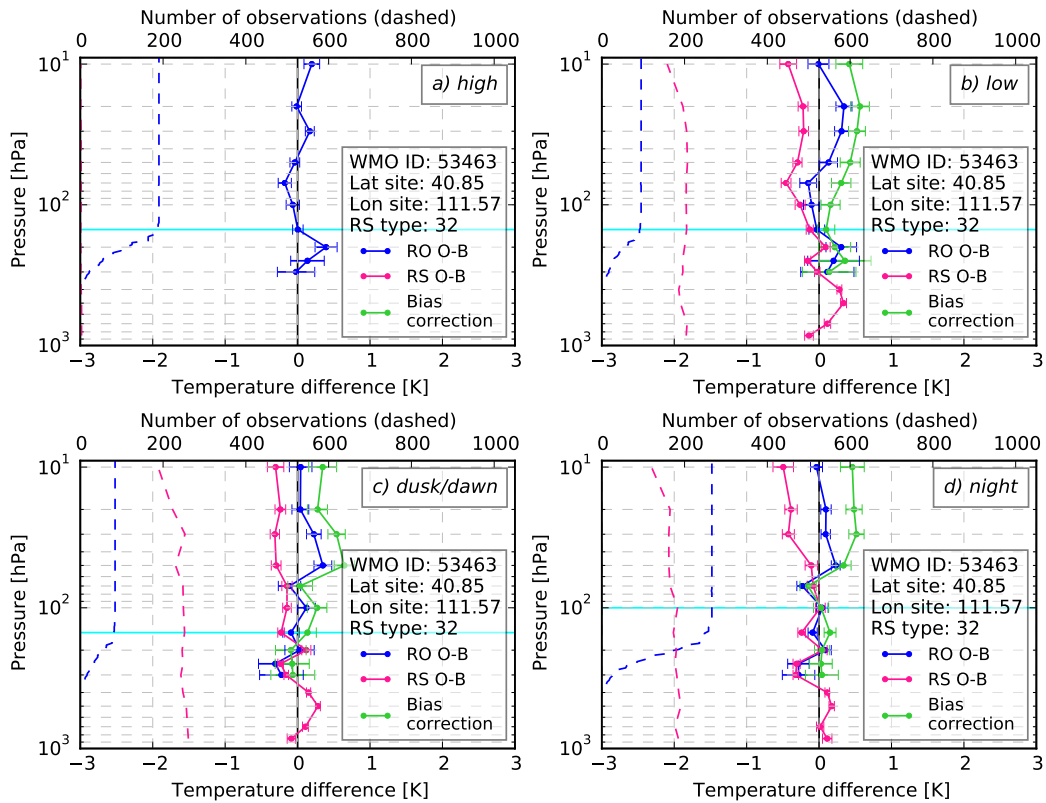
**Figure 1.356:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.357 WMO ID 53068



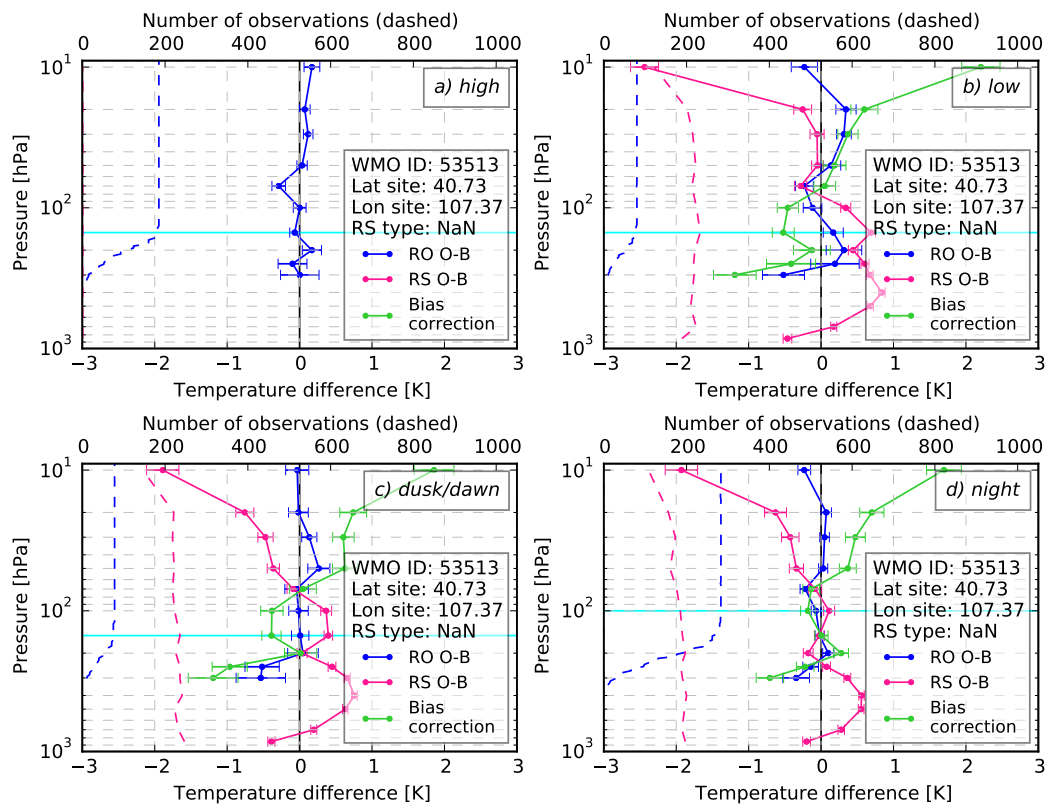
**Figure 1.357:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.358 WMO ID 53463



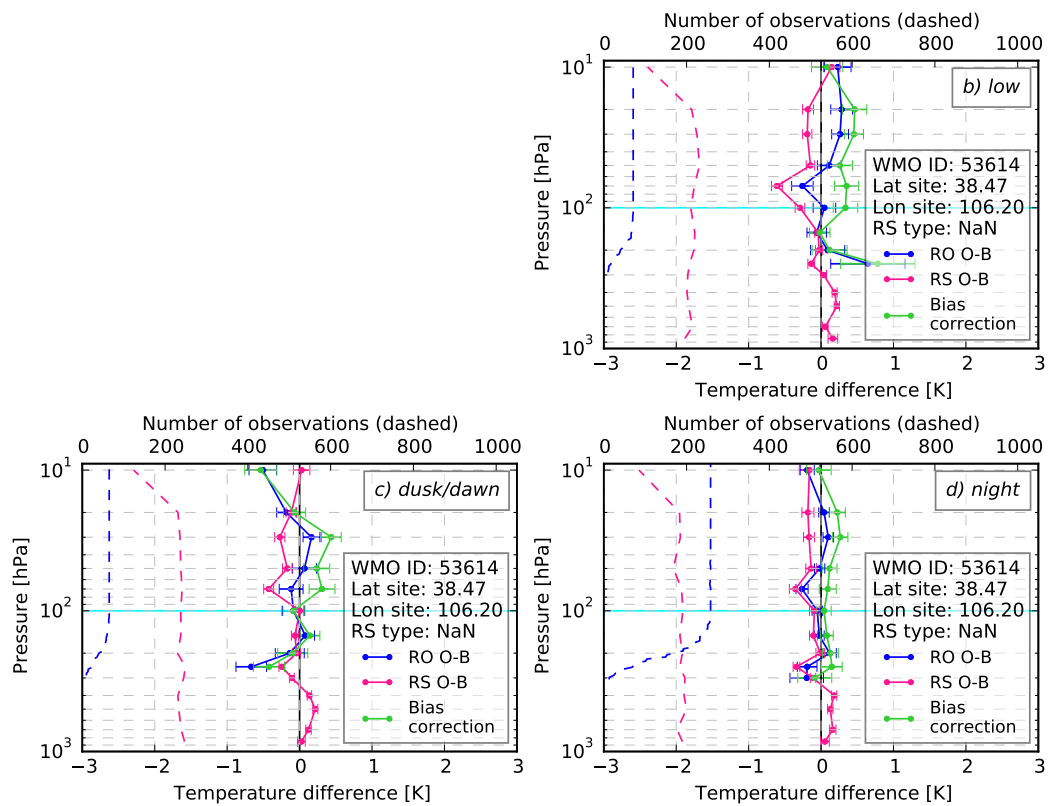
**Figure 1.358:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.359 WMO ID 53513



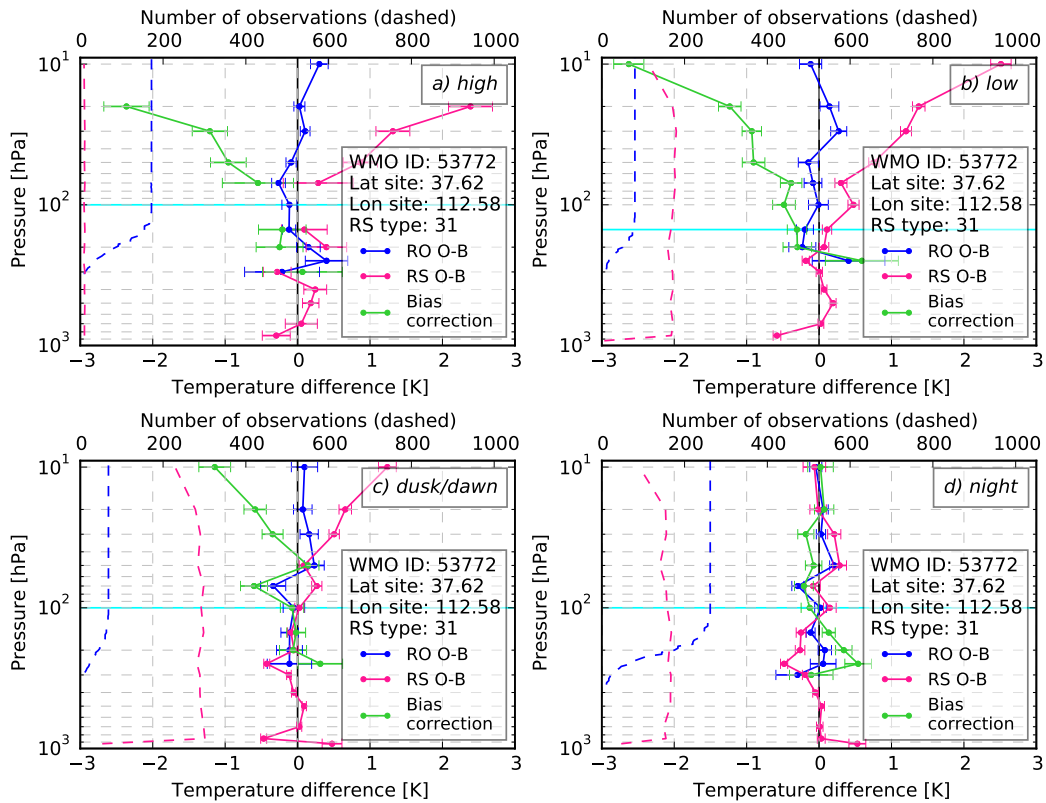
**Figure 1.359:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.360 WMO ID 53614



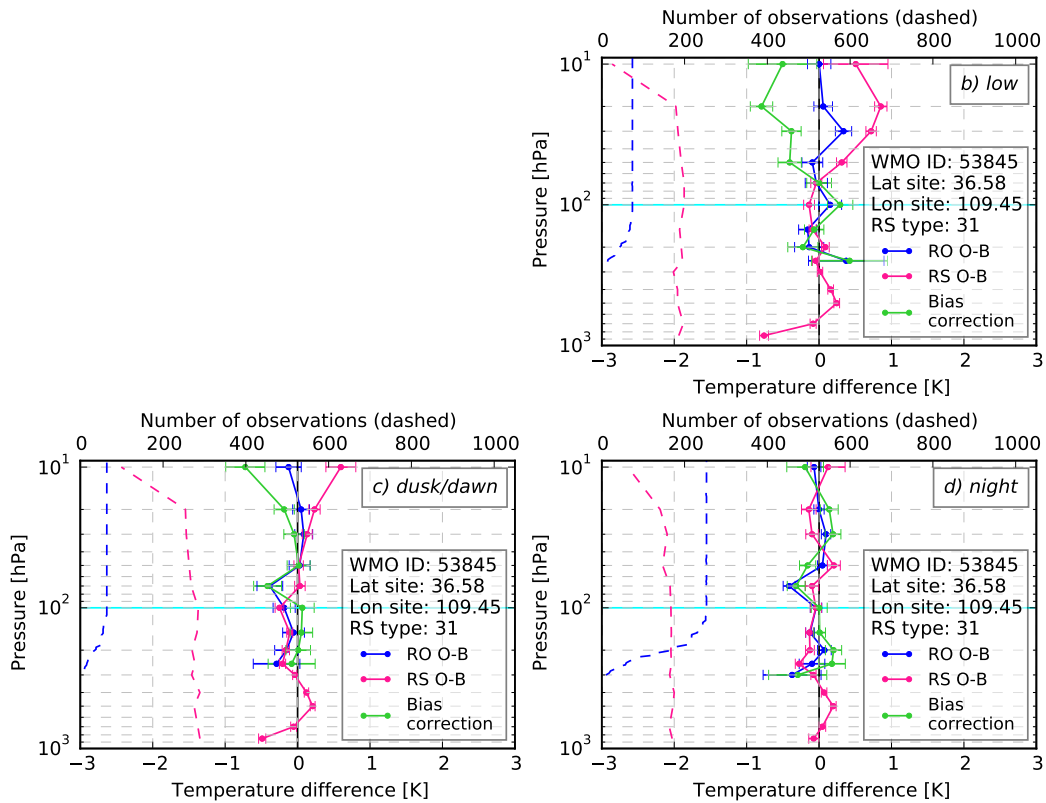
**Figure 1.360:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.361 WMO ID 53772



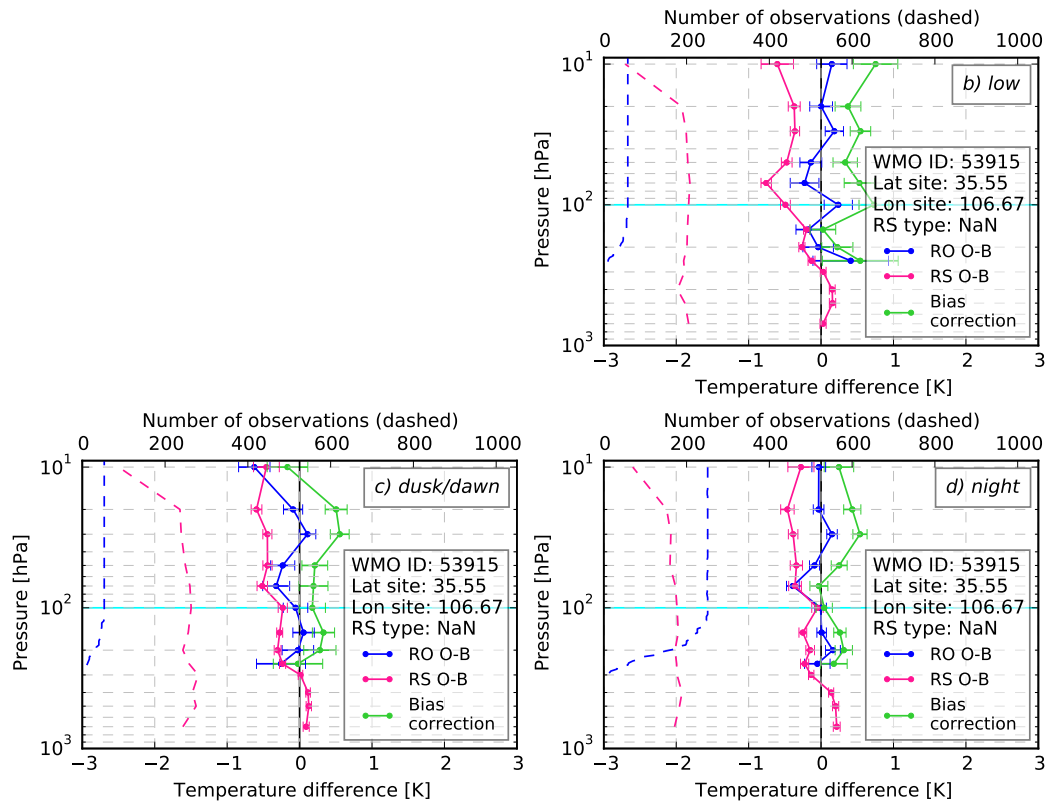
**Figure 1.361:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.362 WMO ID 53845



**Figure 1.362:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

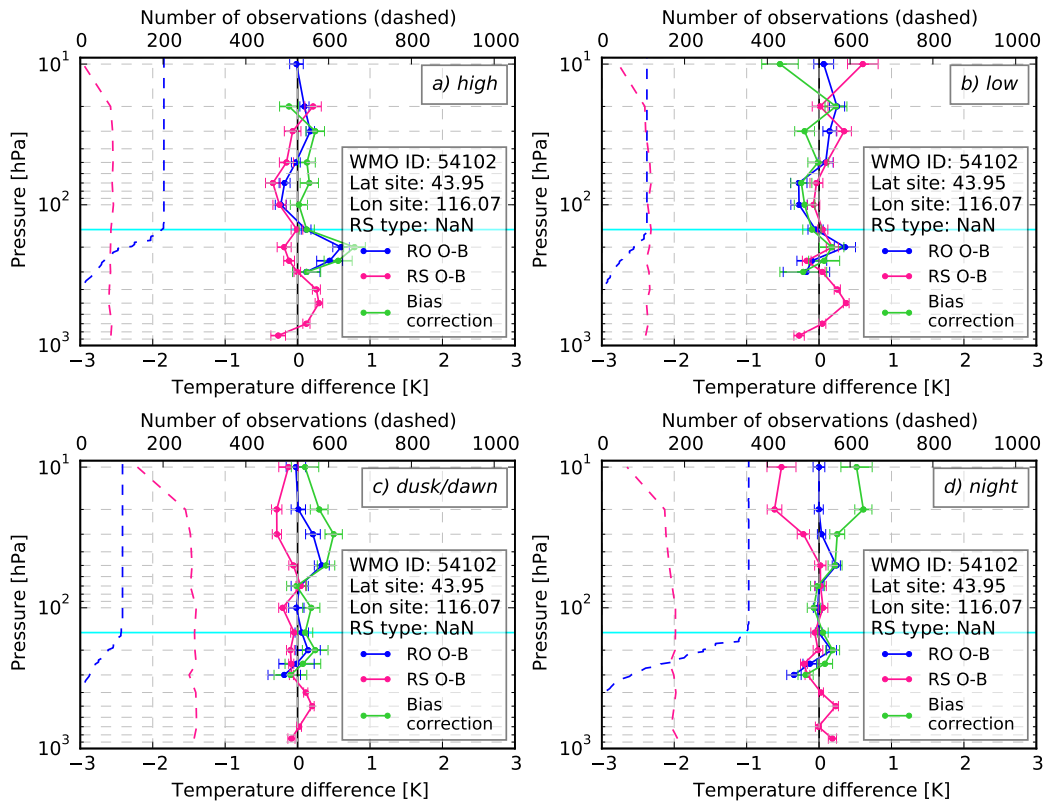
### 1.363 WMO ID 53915



**Figure 1.363:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

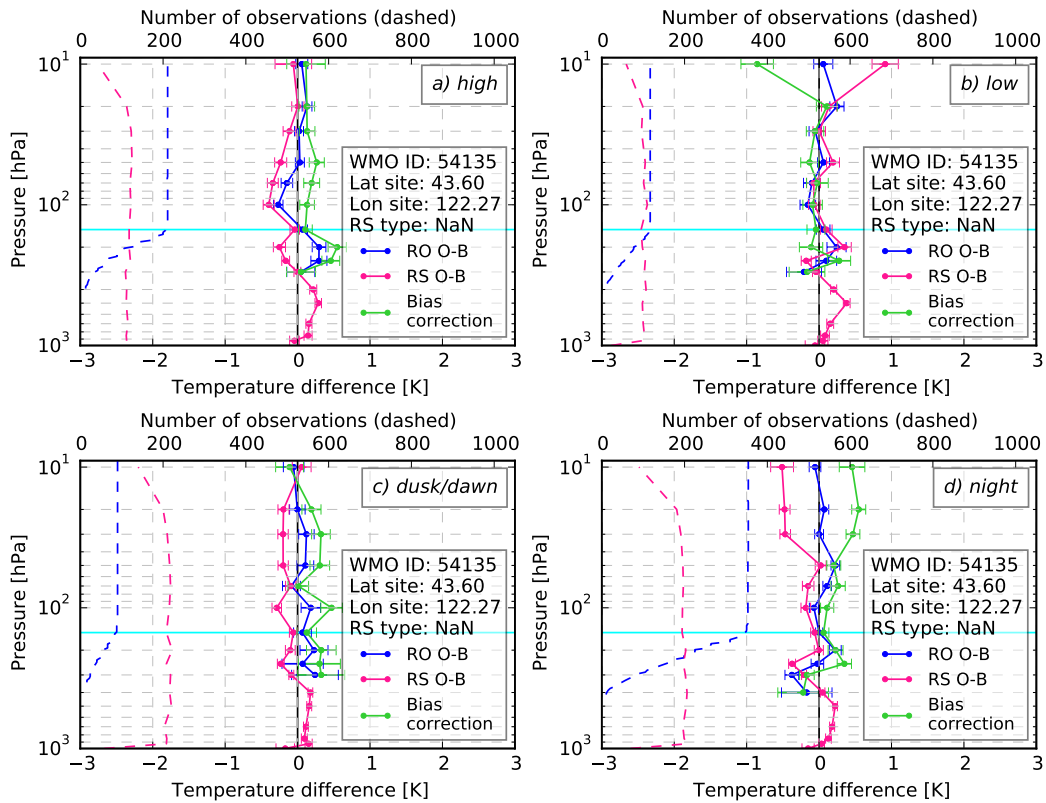


### 1.364 WMO ID 54102



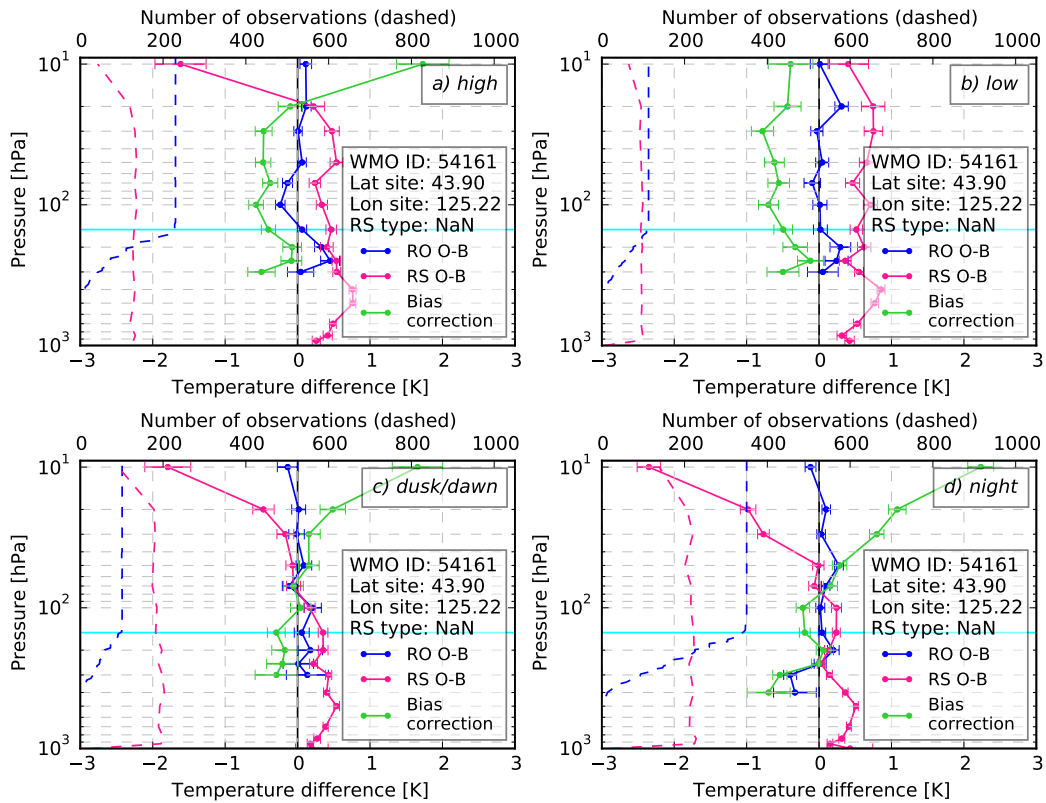
**Figure 1.364:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.365 WMO ID 54135



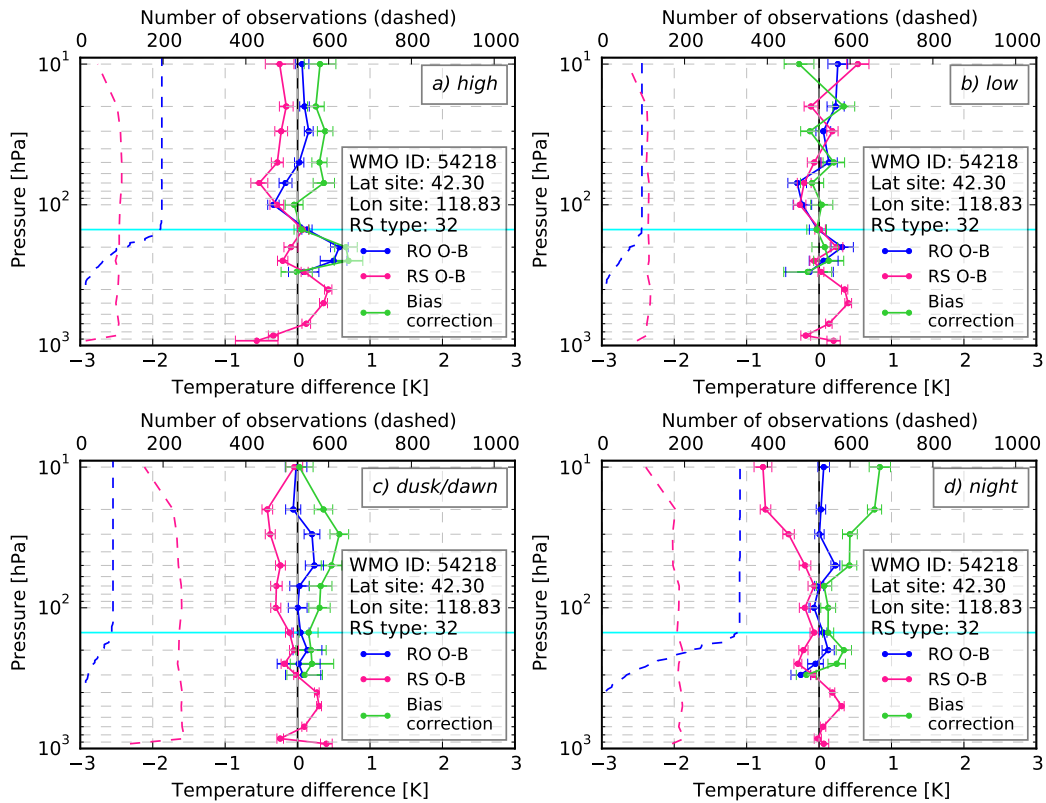
**Figure 1.365:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.366 WMO ID 54161



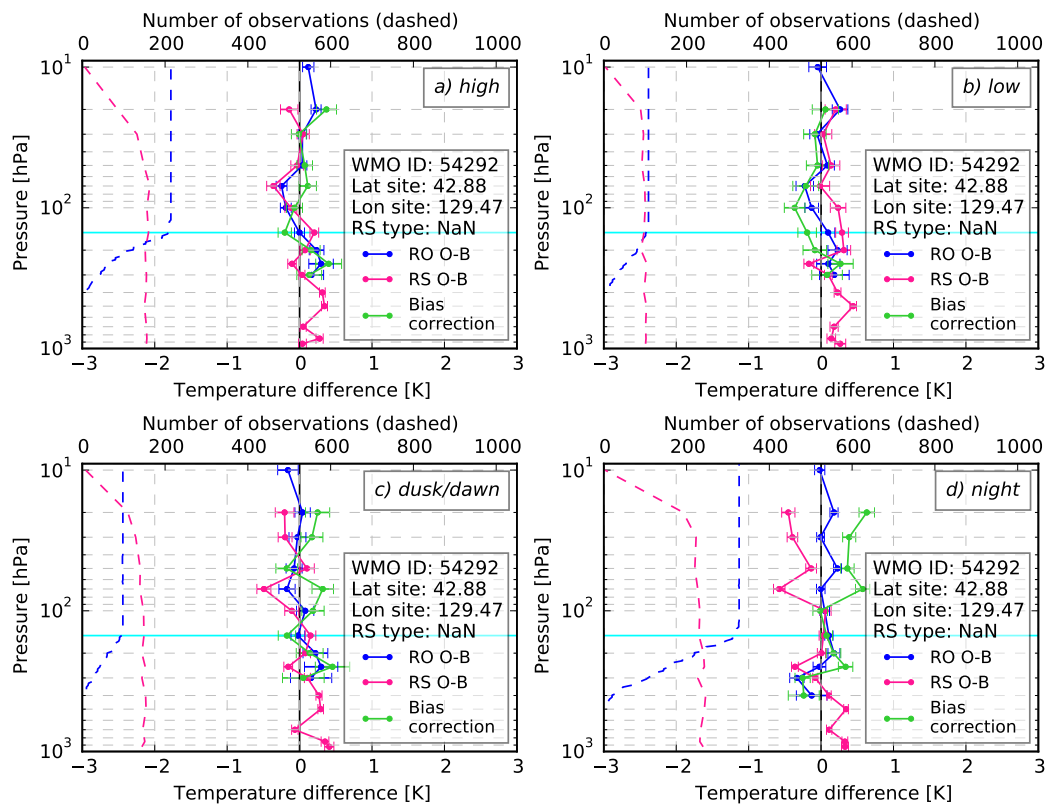
**Figure 1.366:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.367 WMO ID 54218



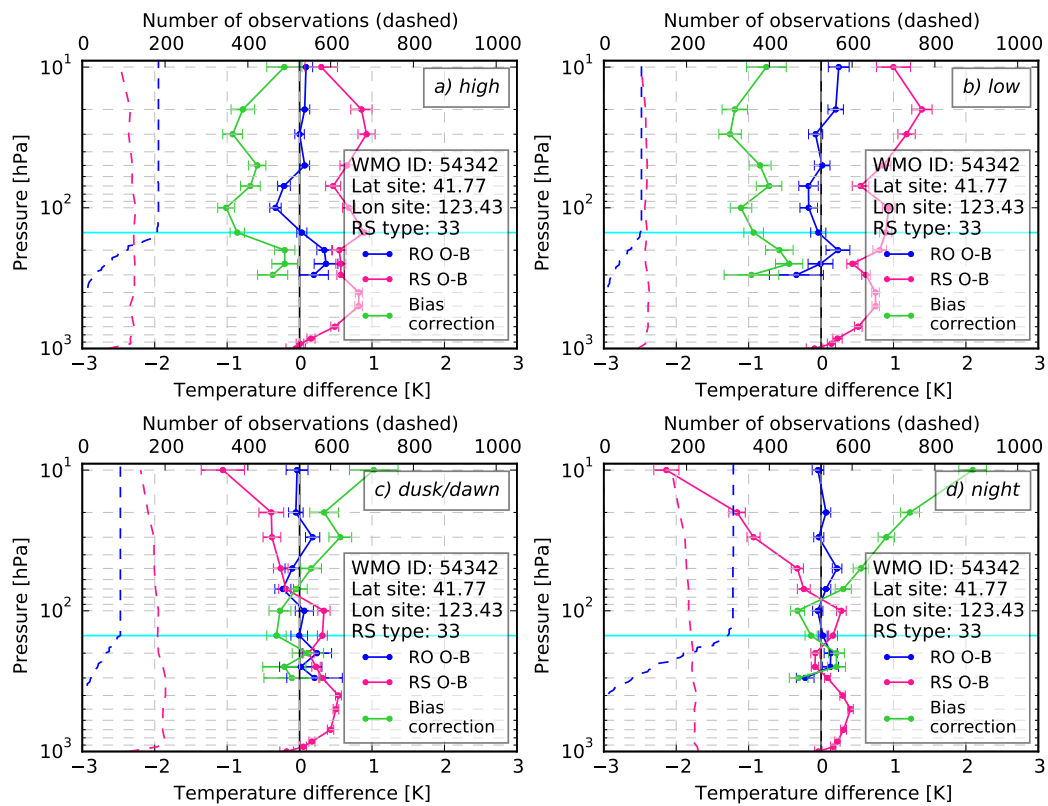
**Figure 1.367:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.368 WMO ID 54292



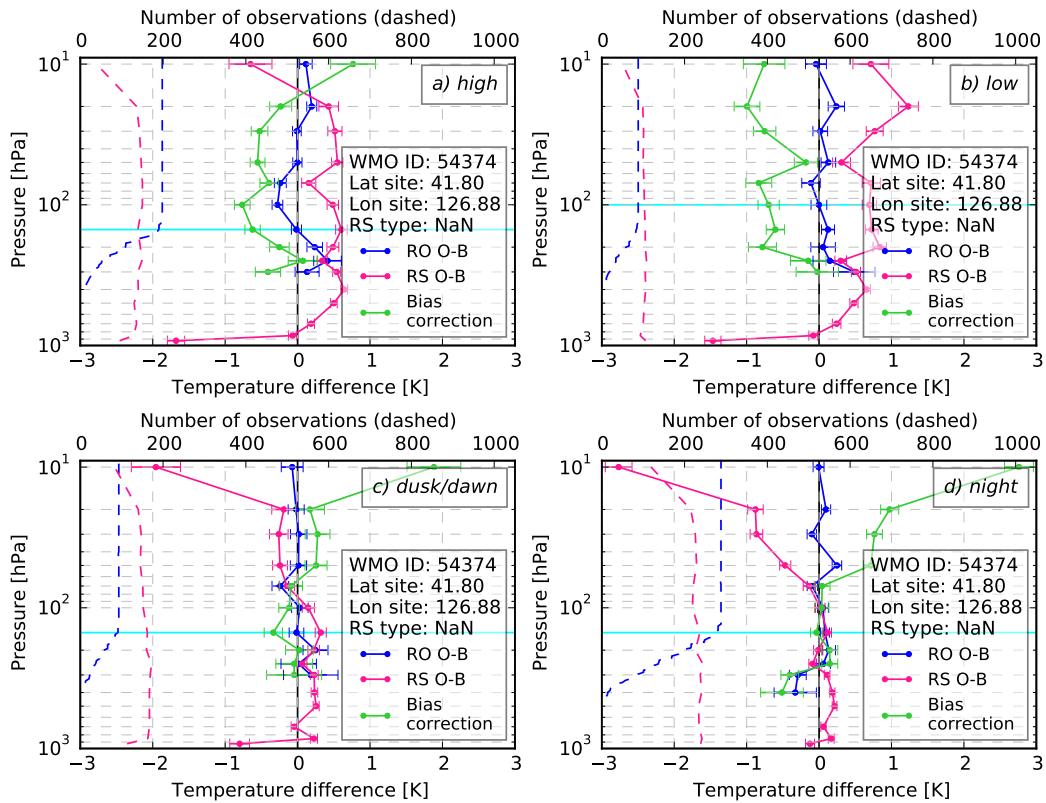
**Figure 1.368:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.369 WMO ID 54342



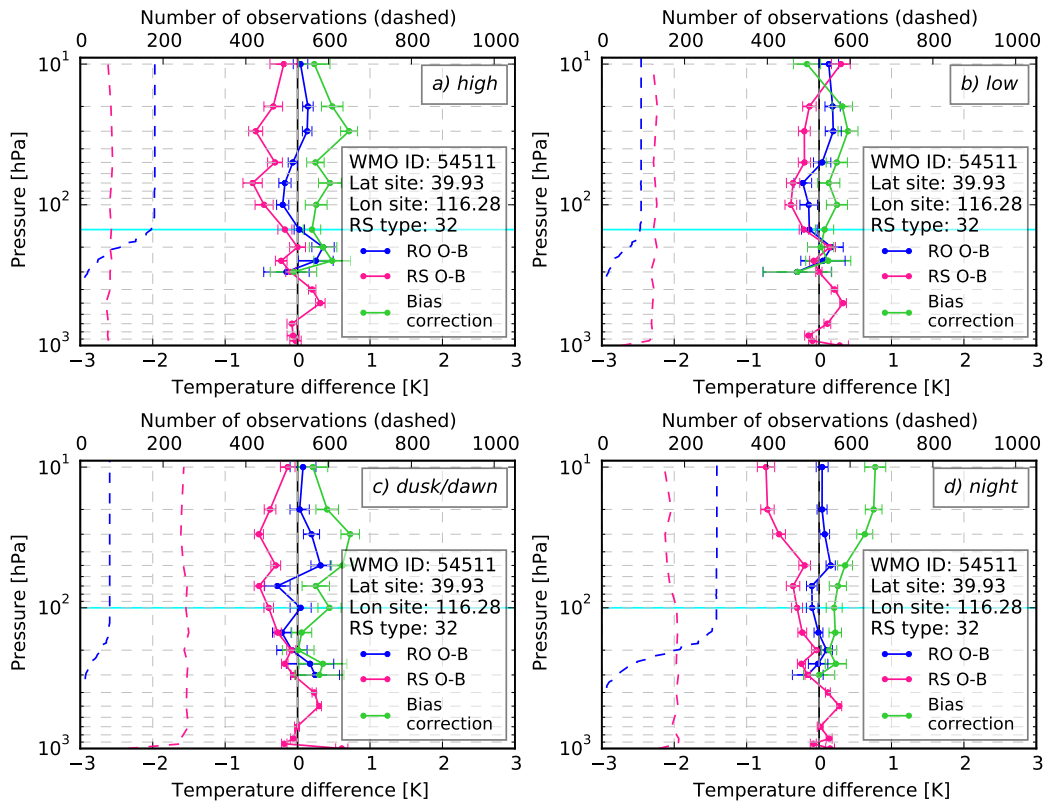
**Figure 1.369:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.370 WMO ID 54374



**Figure 1.370:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

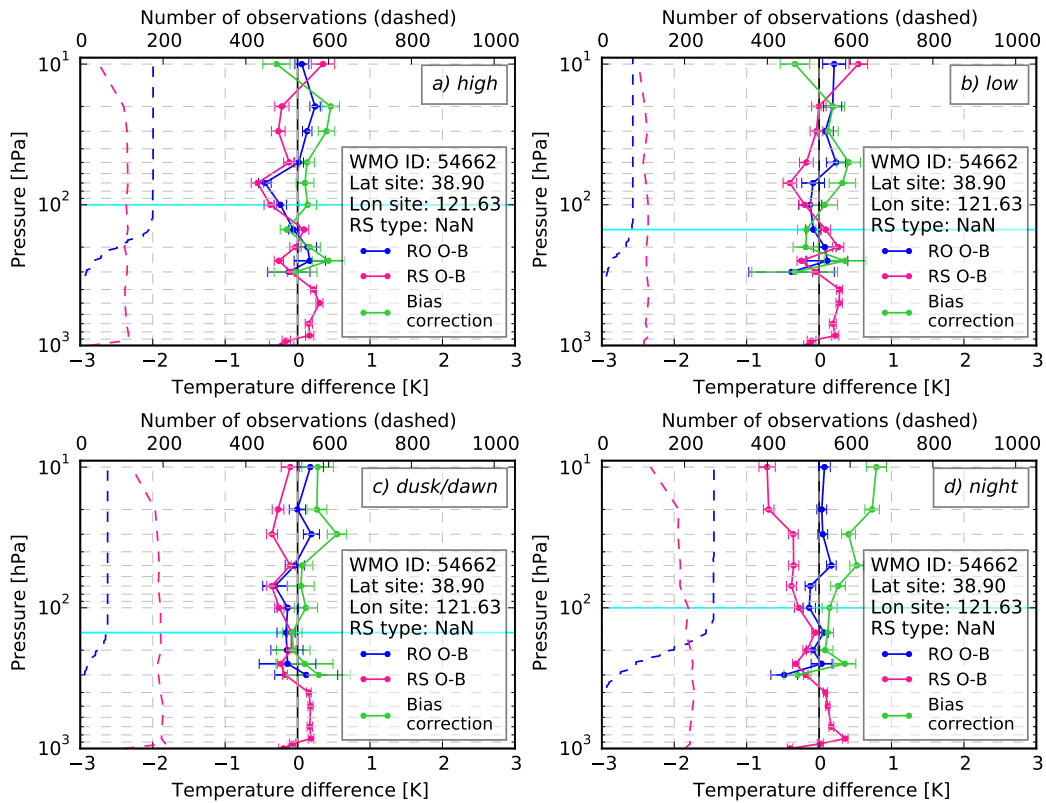
### 1.371 WMO ID 54511



**Figure 1.371:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

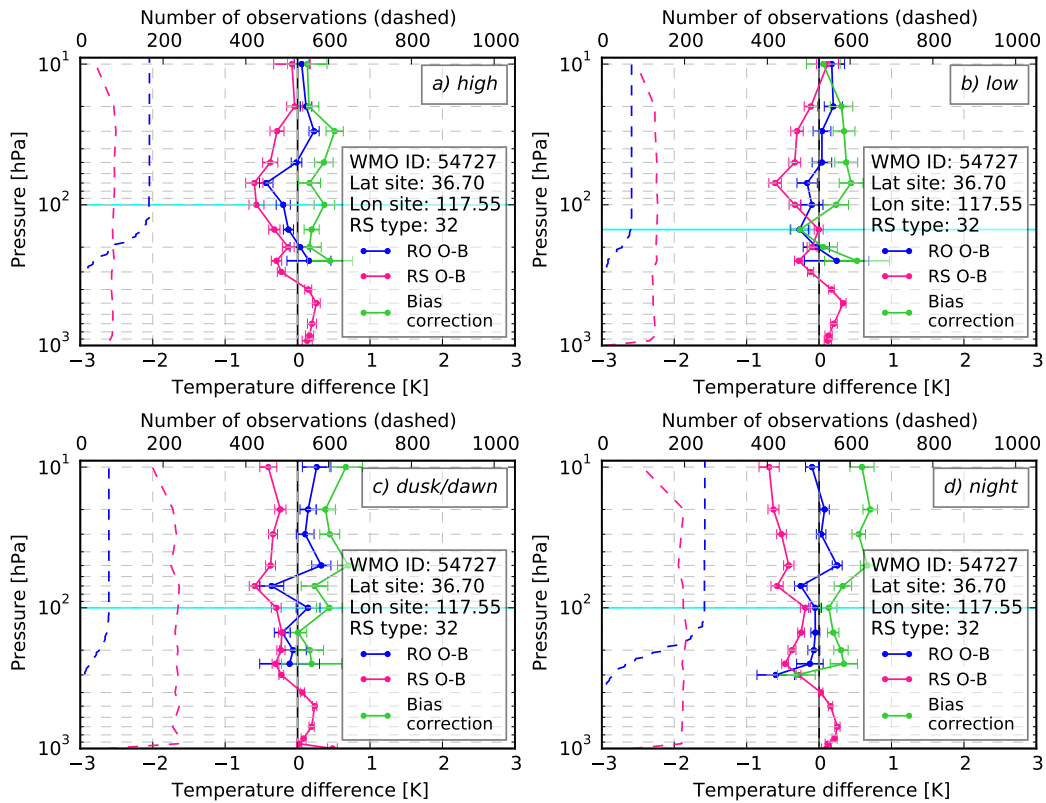


### 1.372 WMO ID 54662



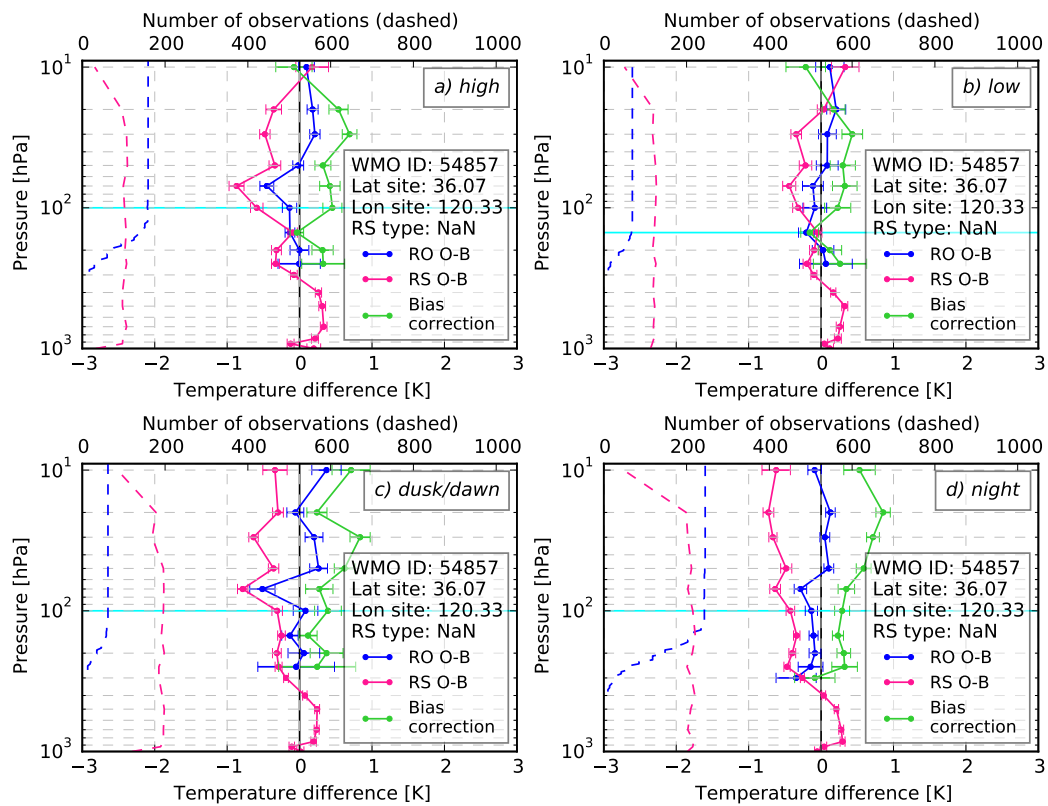
**Figure 1.372:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.373 WMO ID 54727



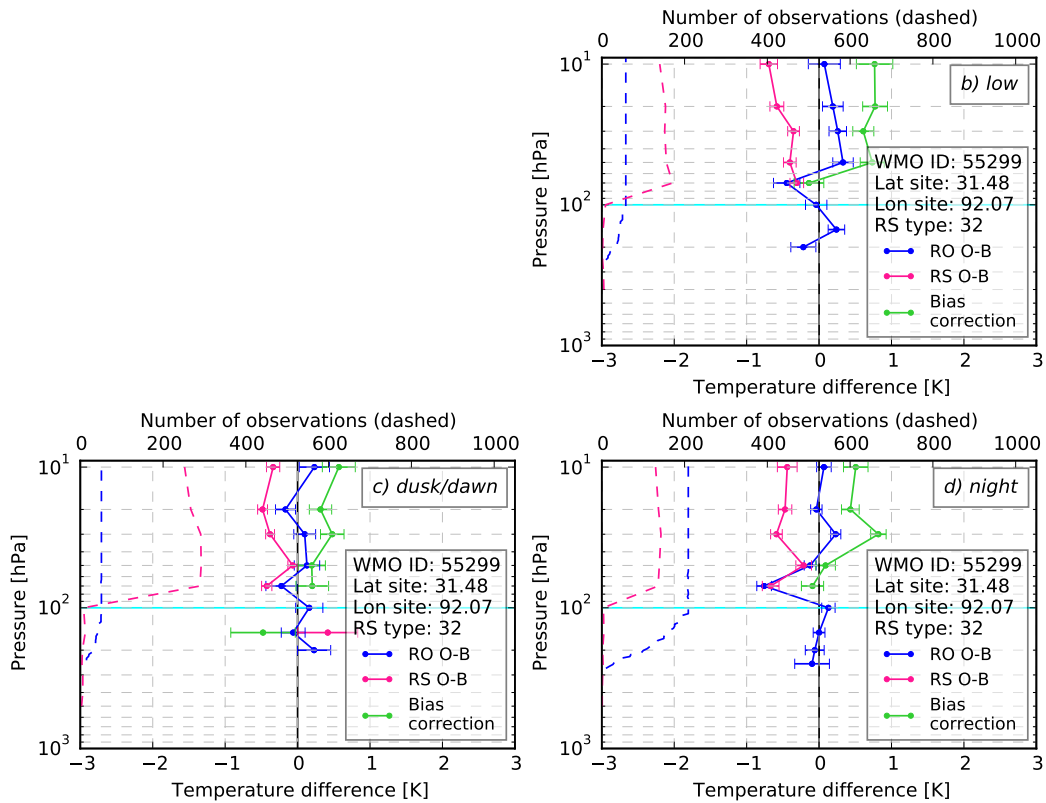
**Figure 1.373:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.374 WMO ID 54857



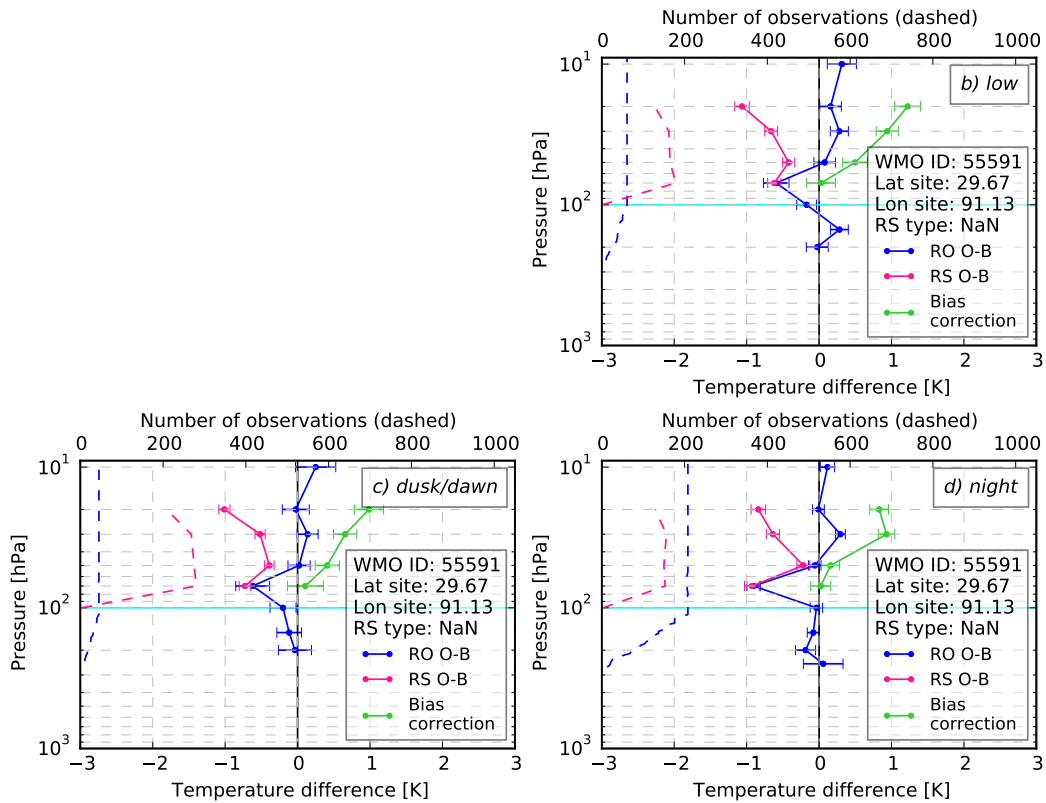
**Figure 1.374:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.375 WMO ID 55299



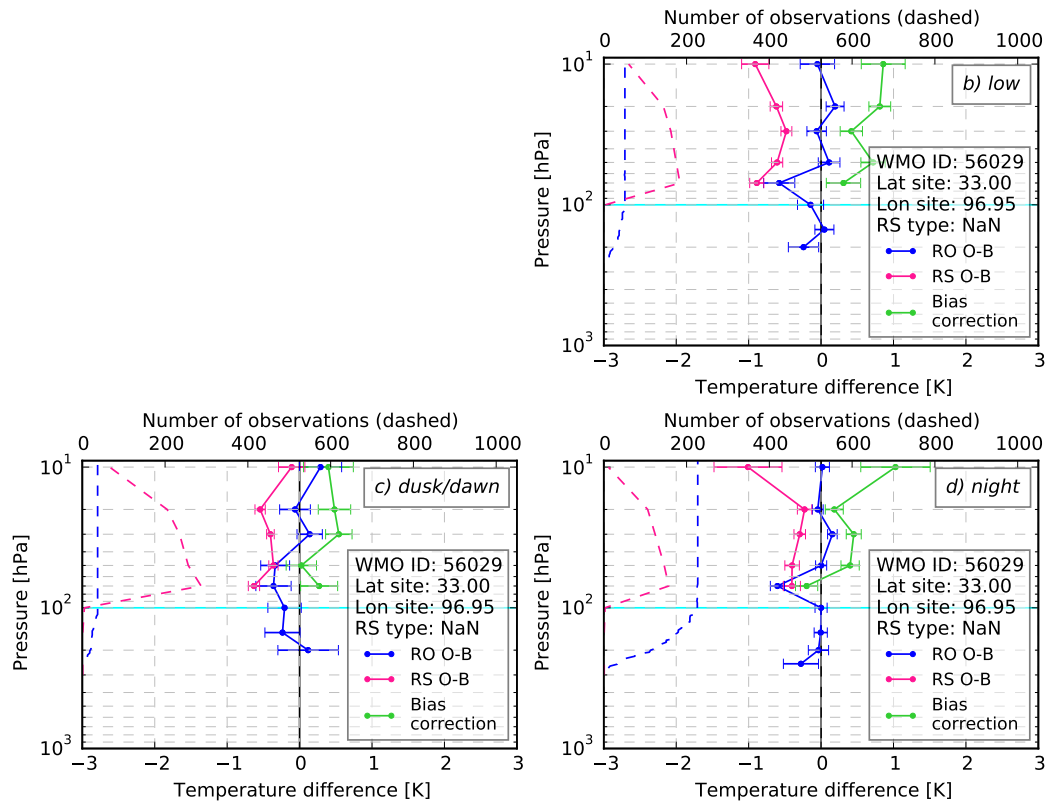
**Figure 1.375:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.376 WMO ID 55591



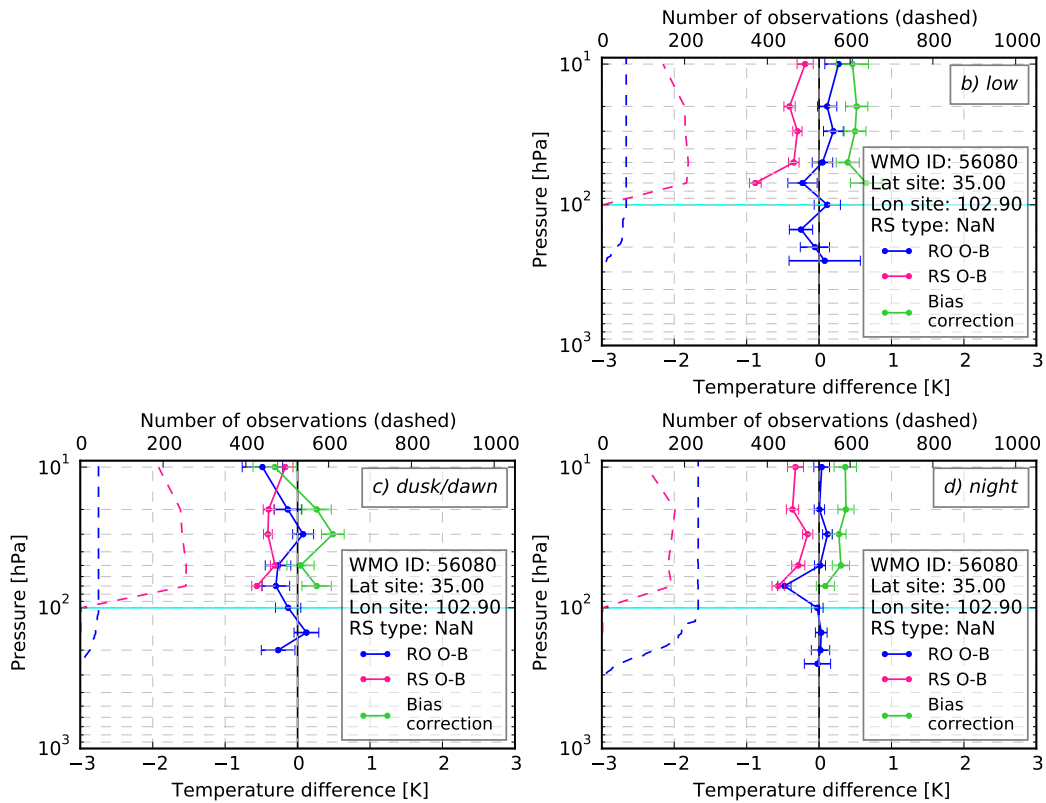
**Figure 1.376:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.377 WMO ID 56029



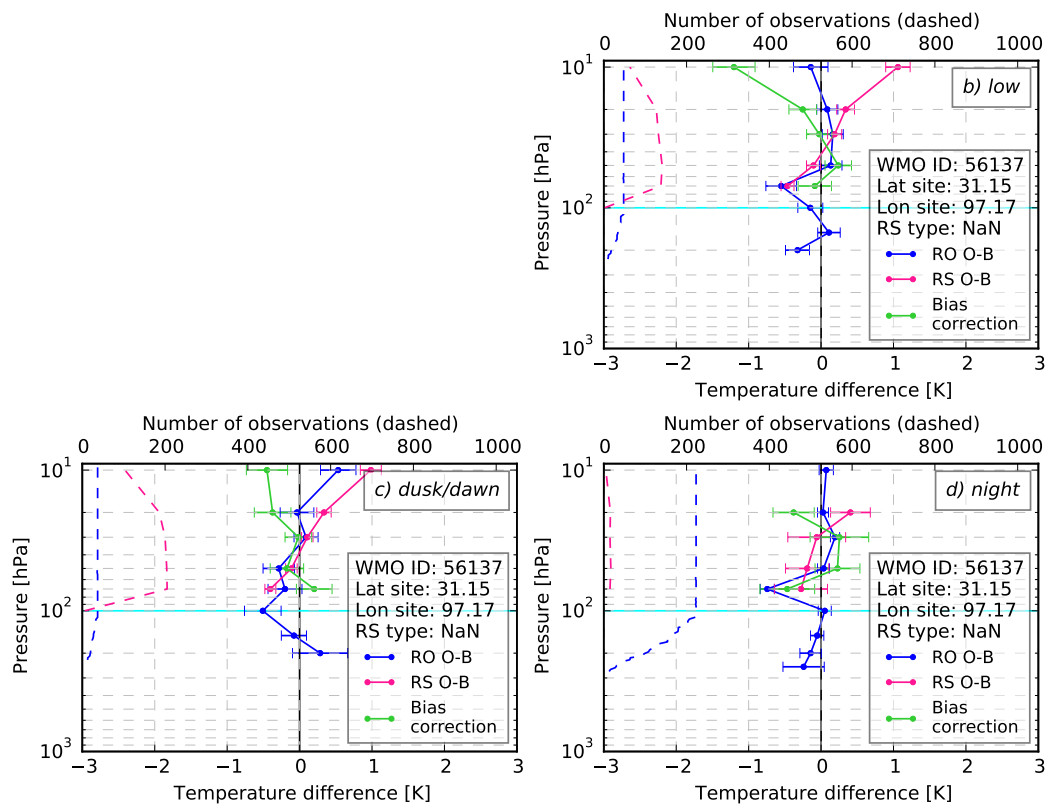
**Figure 1.377:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.378 WMO ID 56080



**Figure 1.378:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

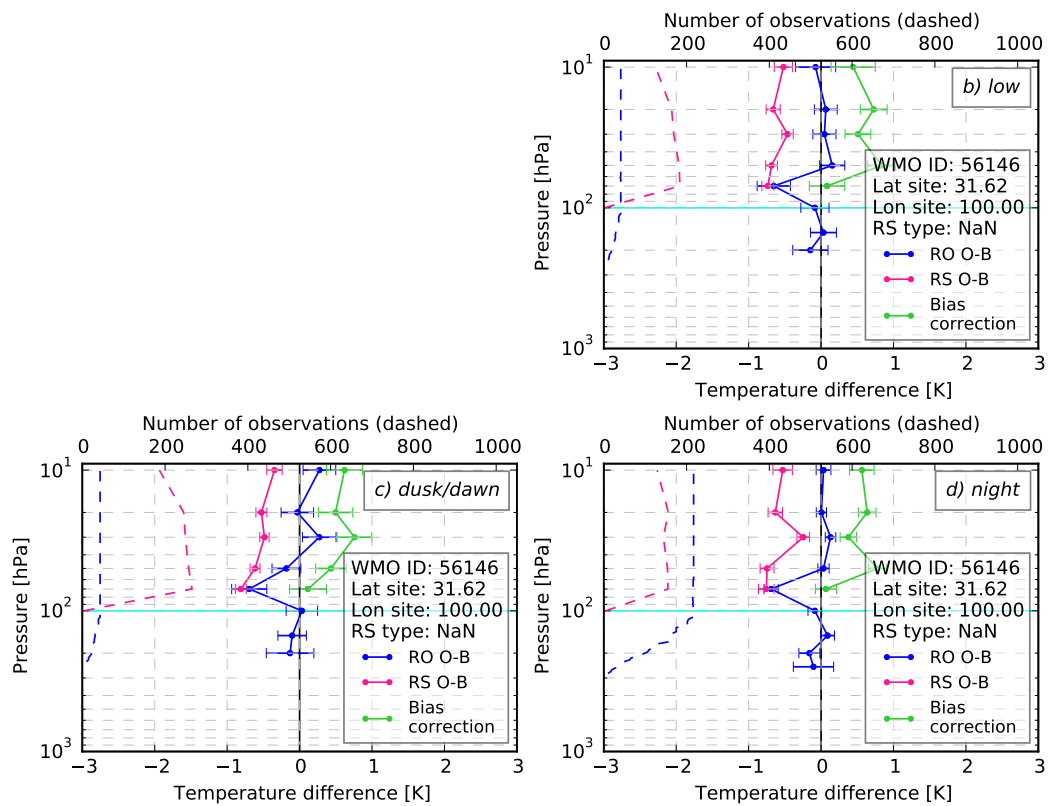
### 1.379 WMO ID 56137



**Figure 1.379:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

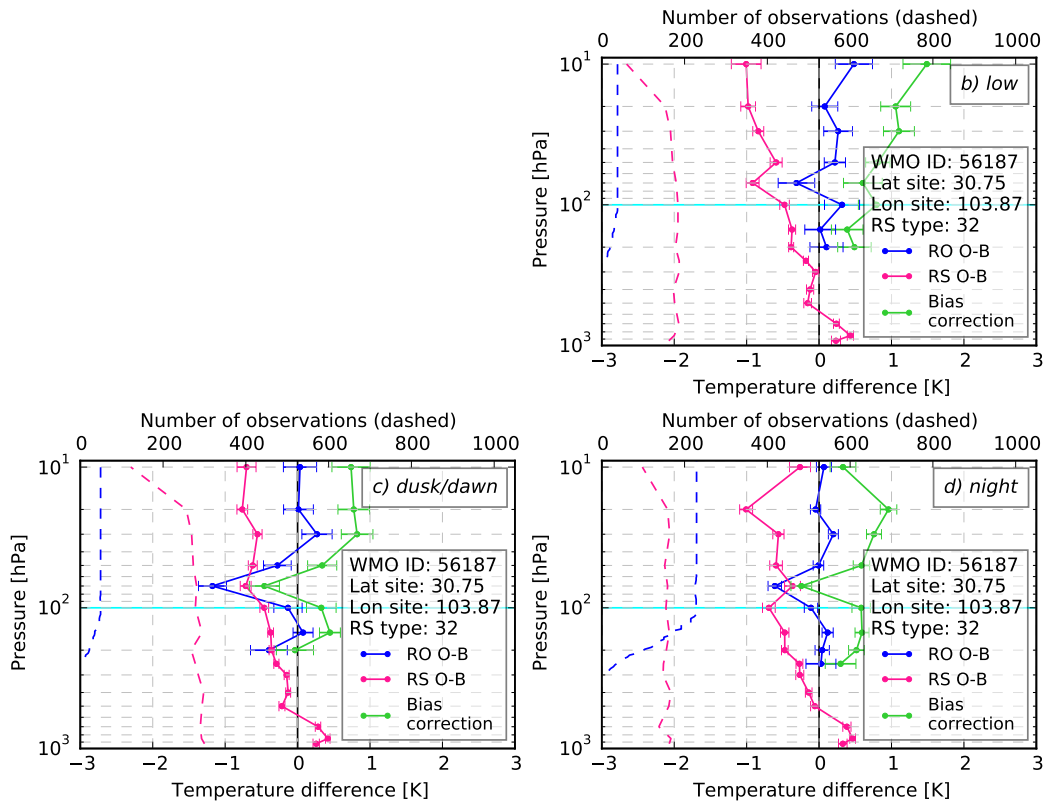


### 1.380 WMO ID 56146



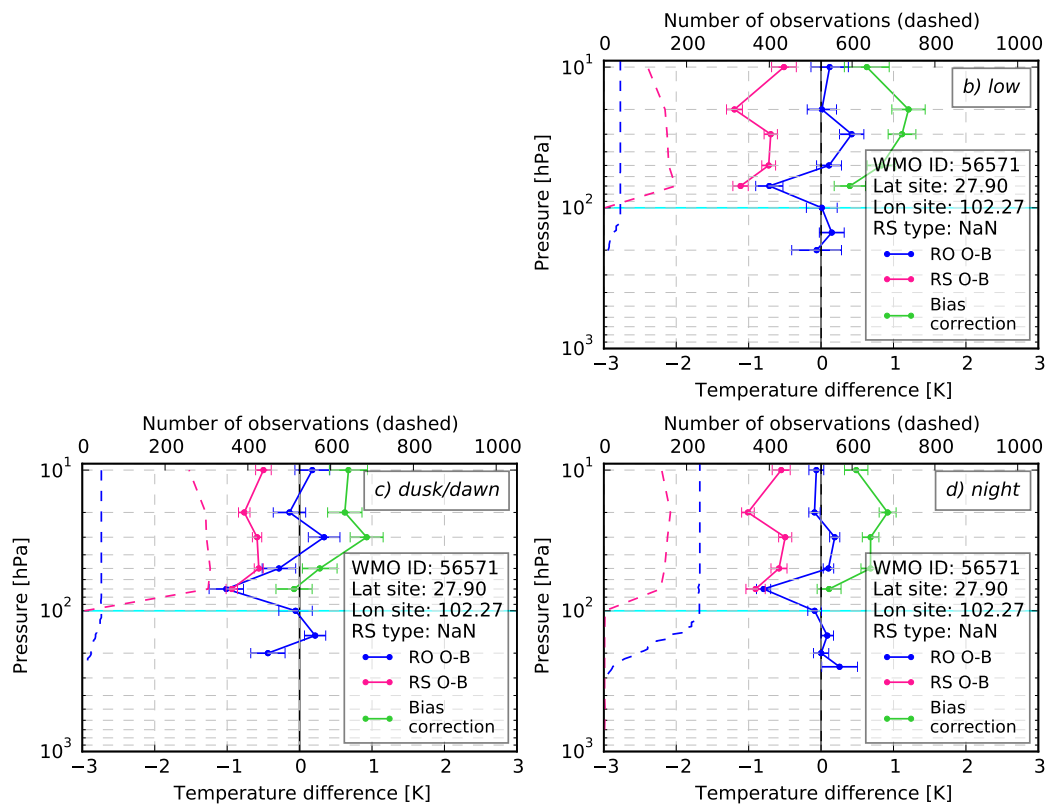
**Figure 1.380:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.381 WMO ID 56187



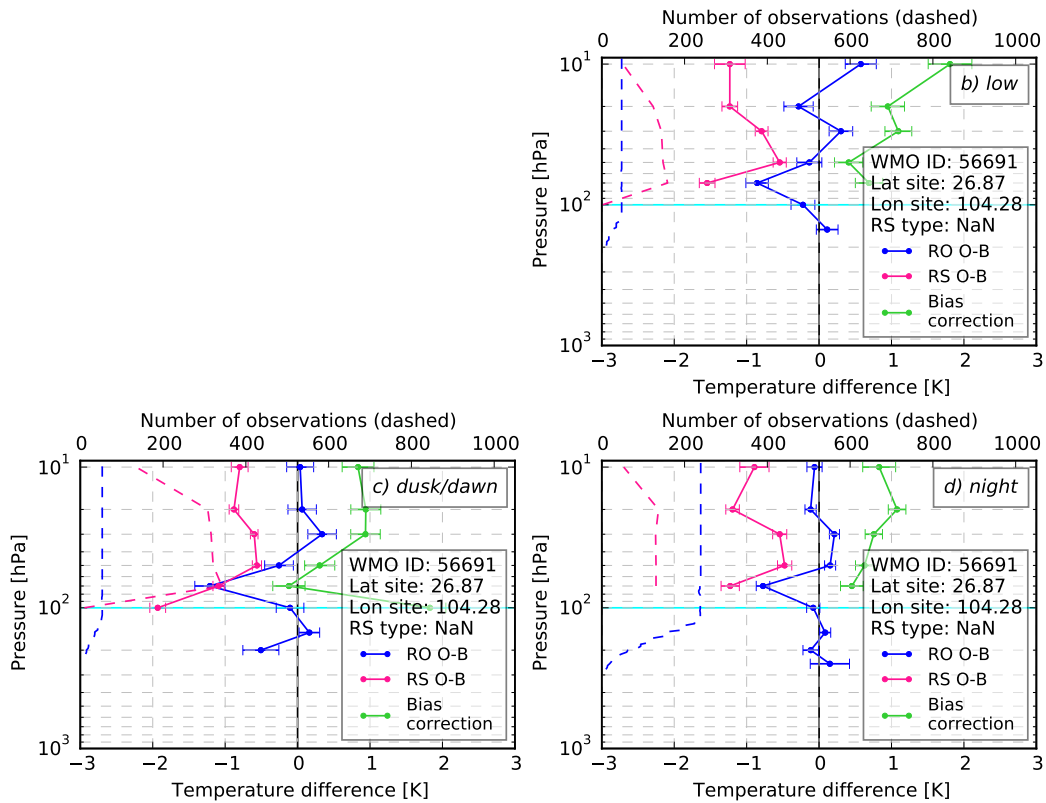
**Figure 1.381:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.382 WMO ID 56571



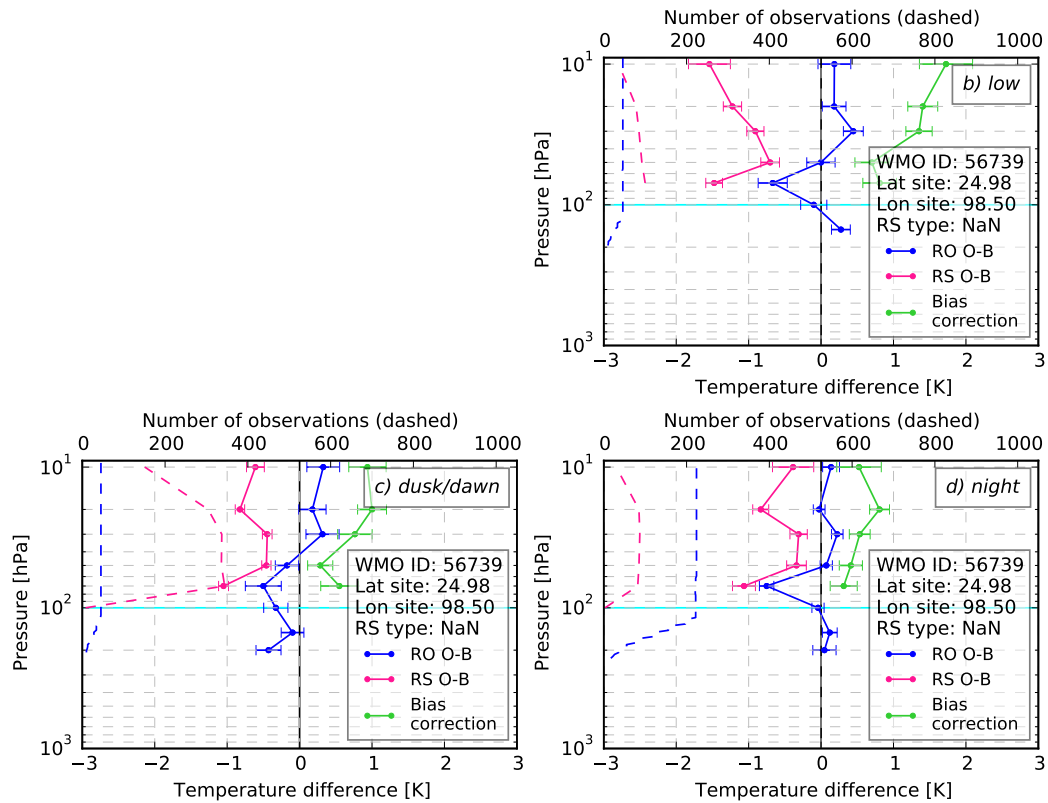
**Figure 1.382:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.383 WMO ID 56691



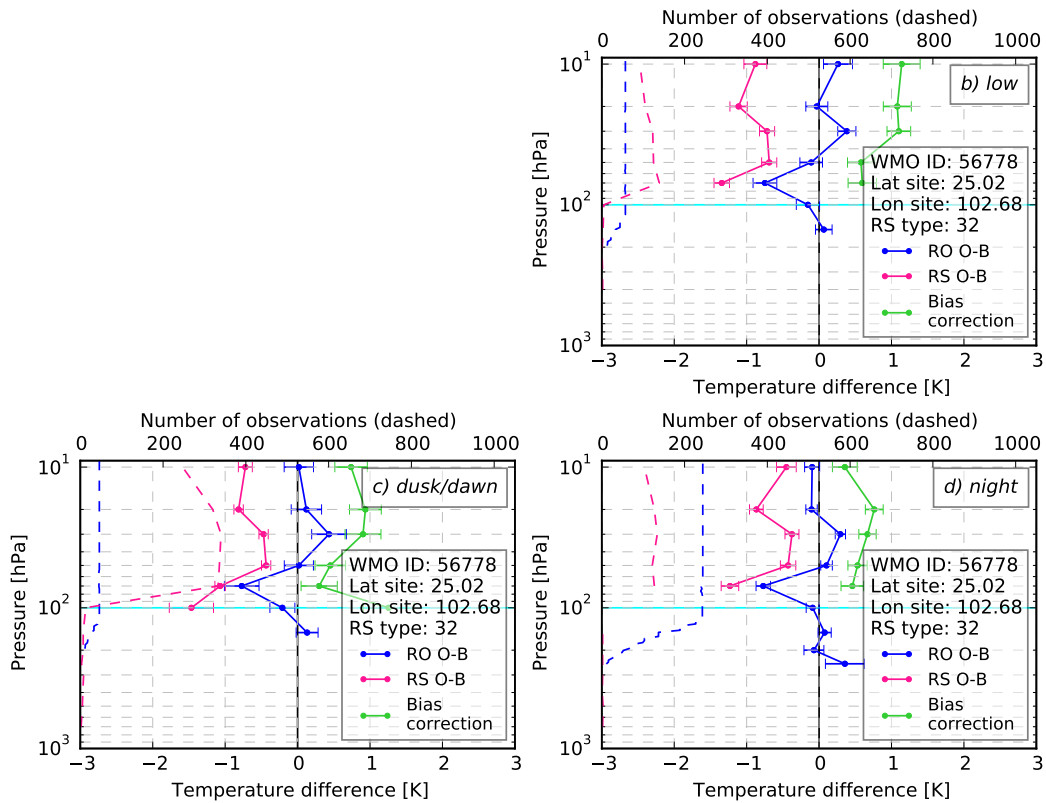
**Figure 1.383:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.384 WMO ID 56739



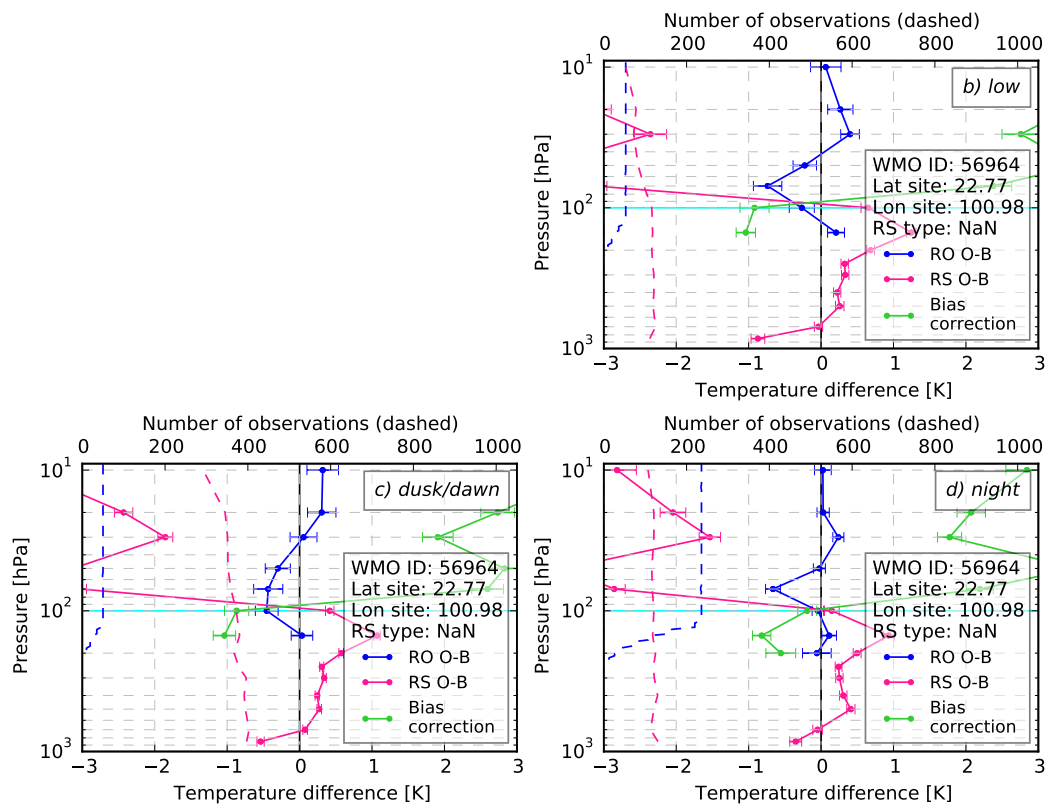
**Figure 1.384:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.385 WMO ID 56778



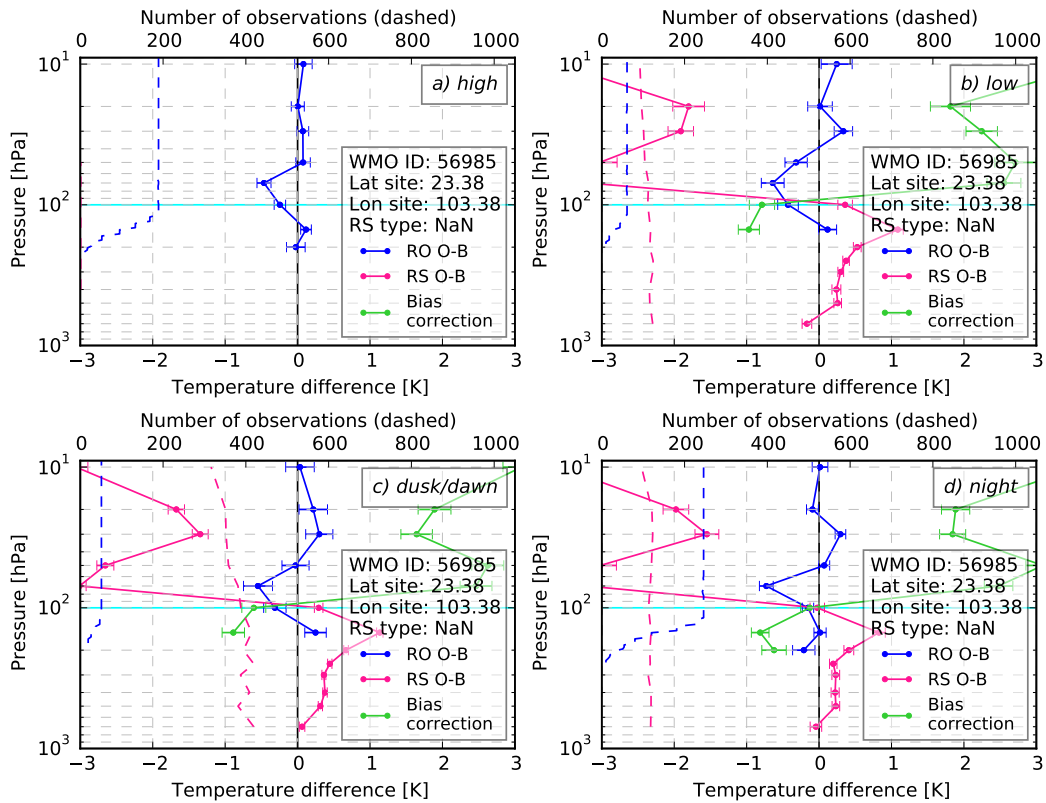
**Figure 1.385:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.386 WMO ID 56964



**Figure 1.386:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

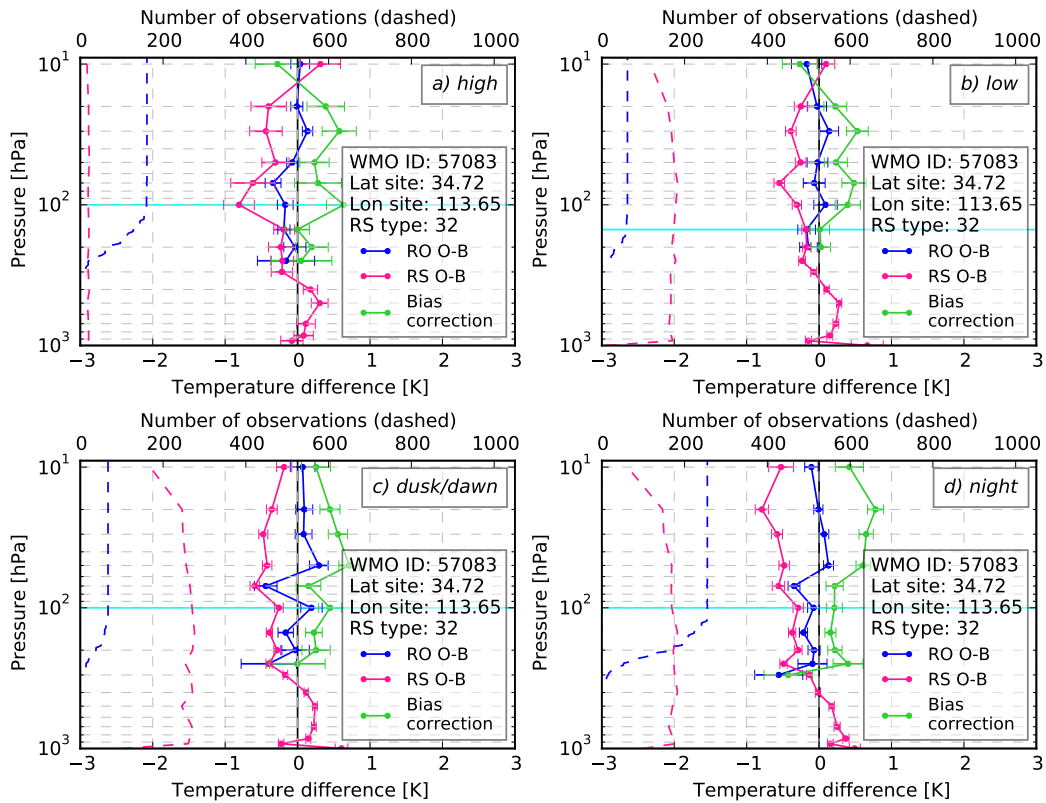
### 1.387 WMO ID 56985



**Figure 1.387:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

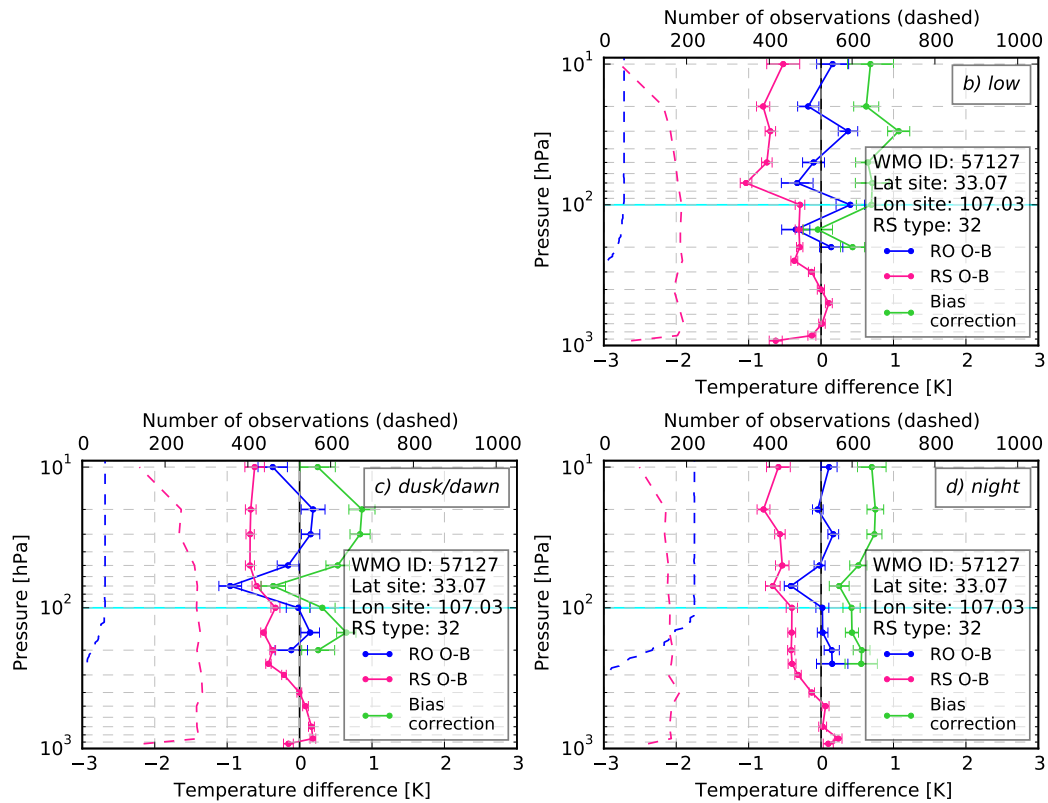


### 1.388 WMO ID 57083



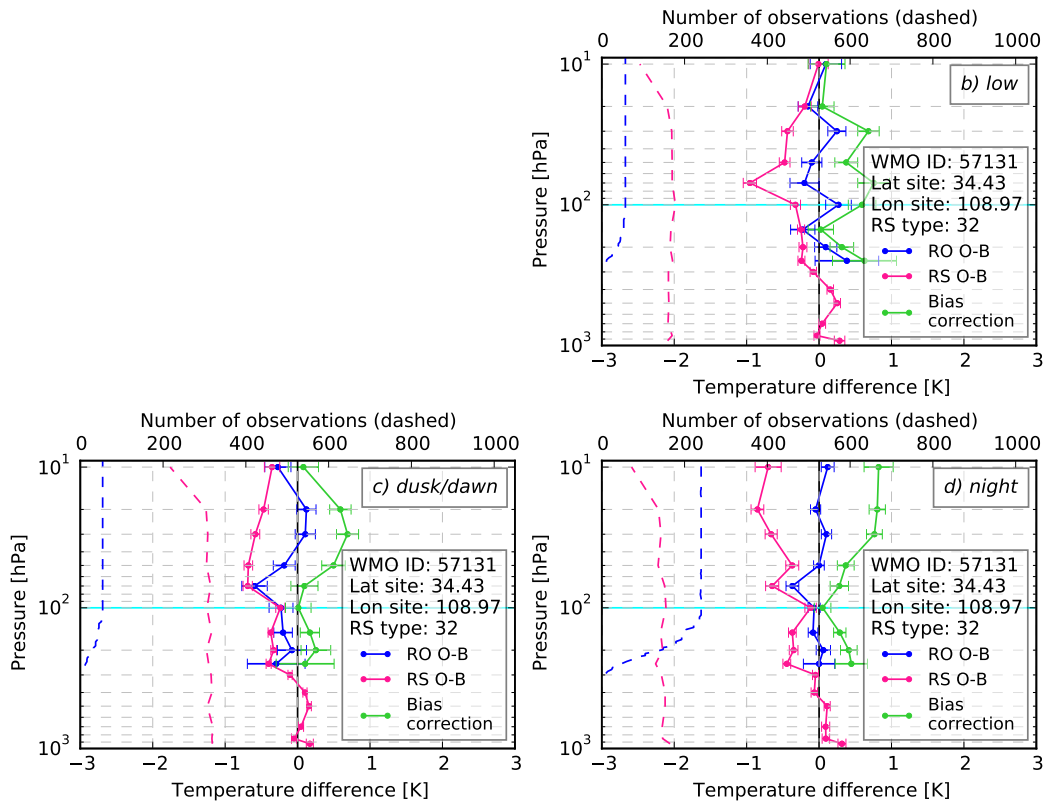
**Figure 1.388:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.389 WMO ID 57127



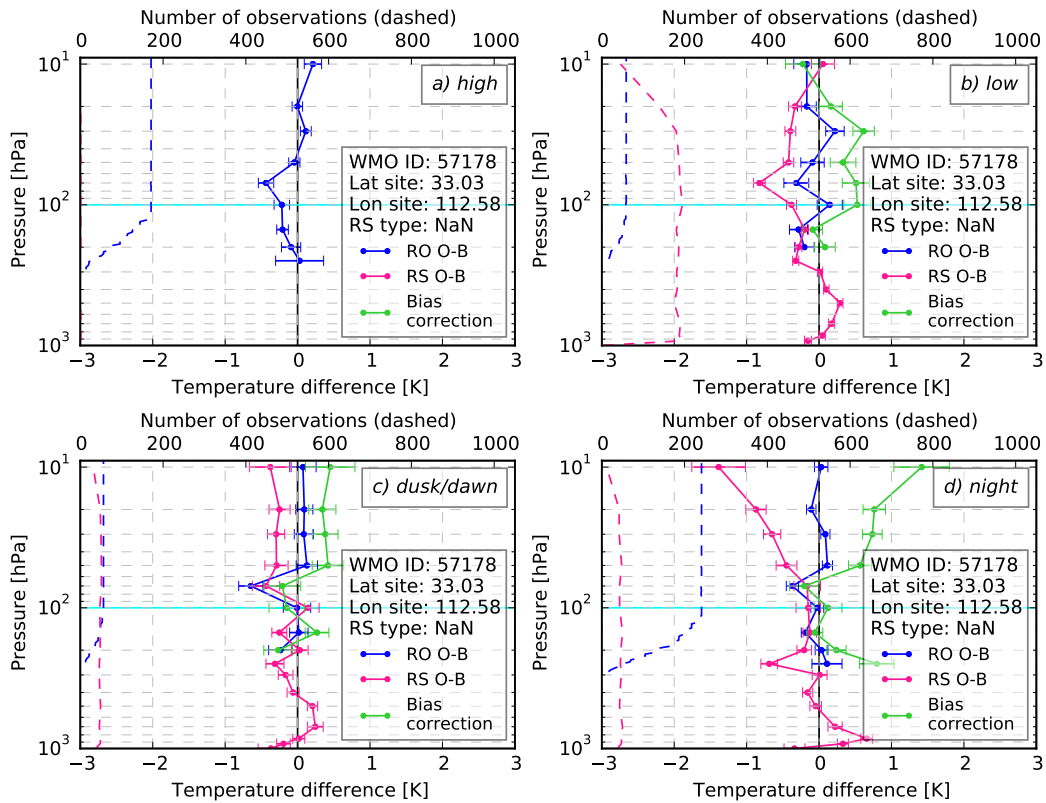
**Figure 1.389:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.390 WMO ID 57131



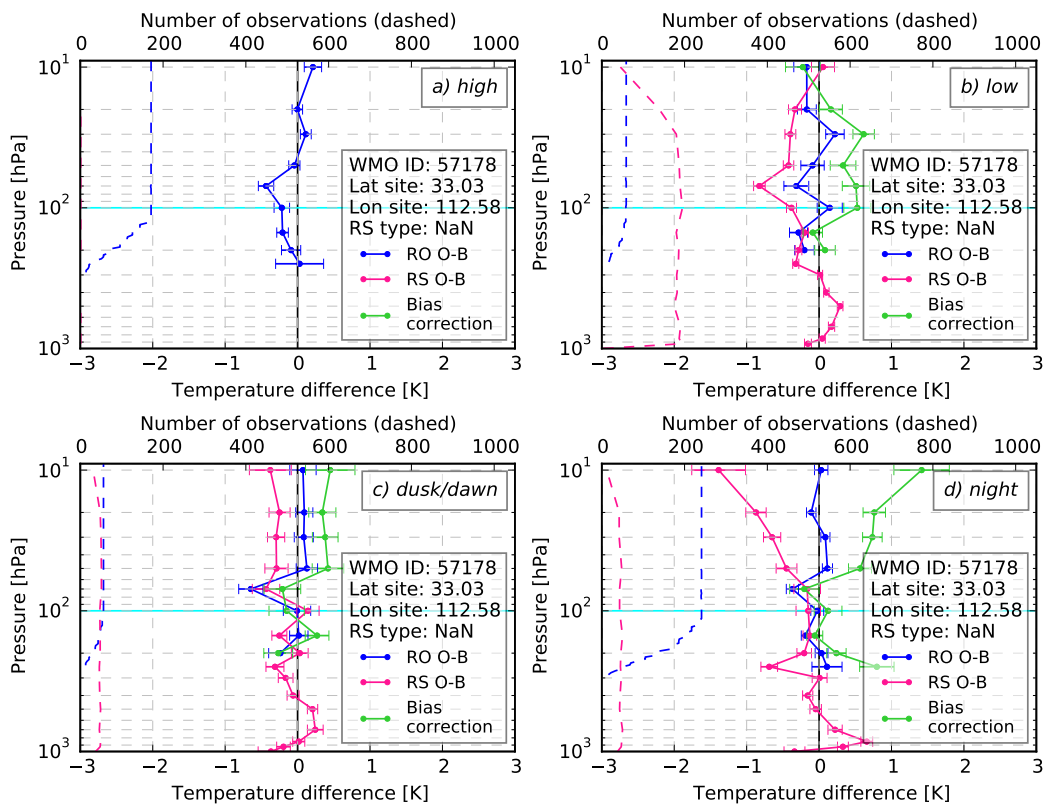
**Figure 1.390:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.391 WMO ID 57178



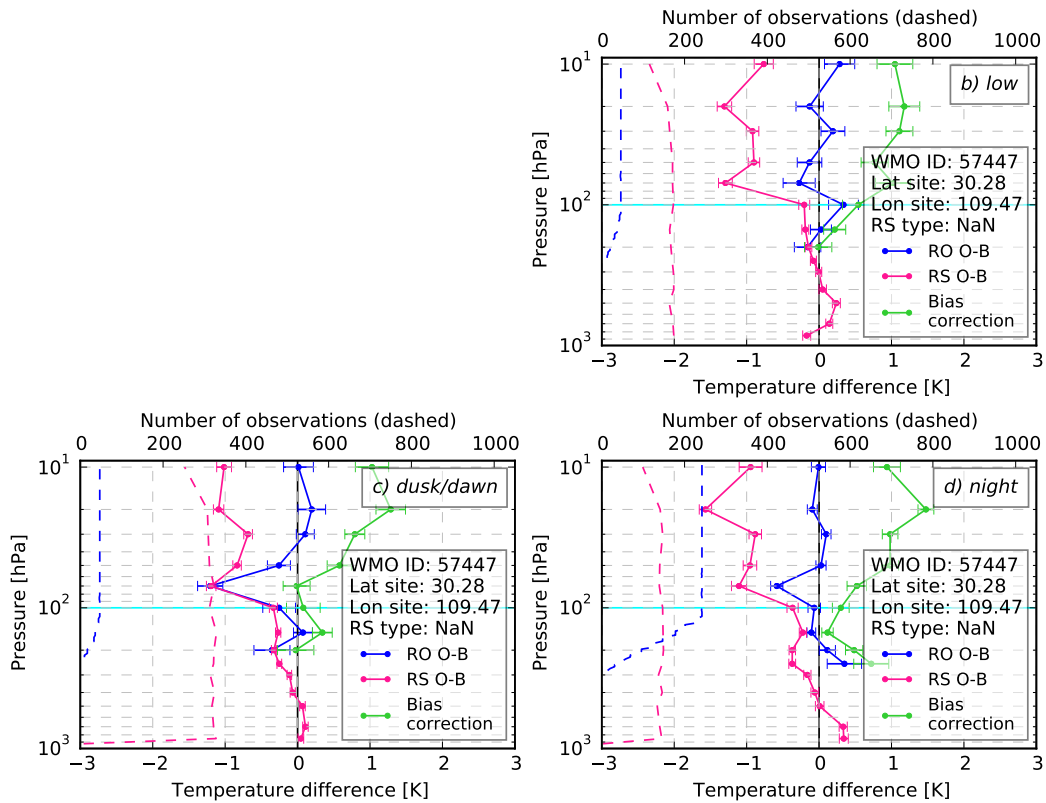
**Figure 1.391:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.392 WMO ID 57178



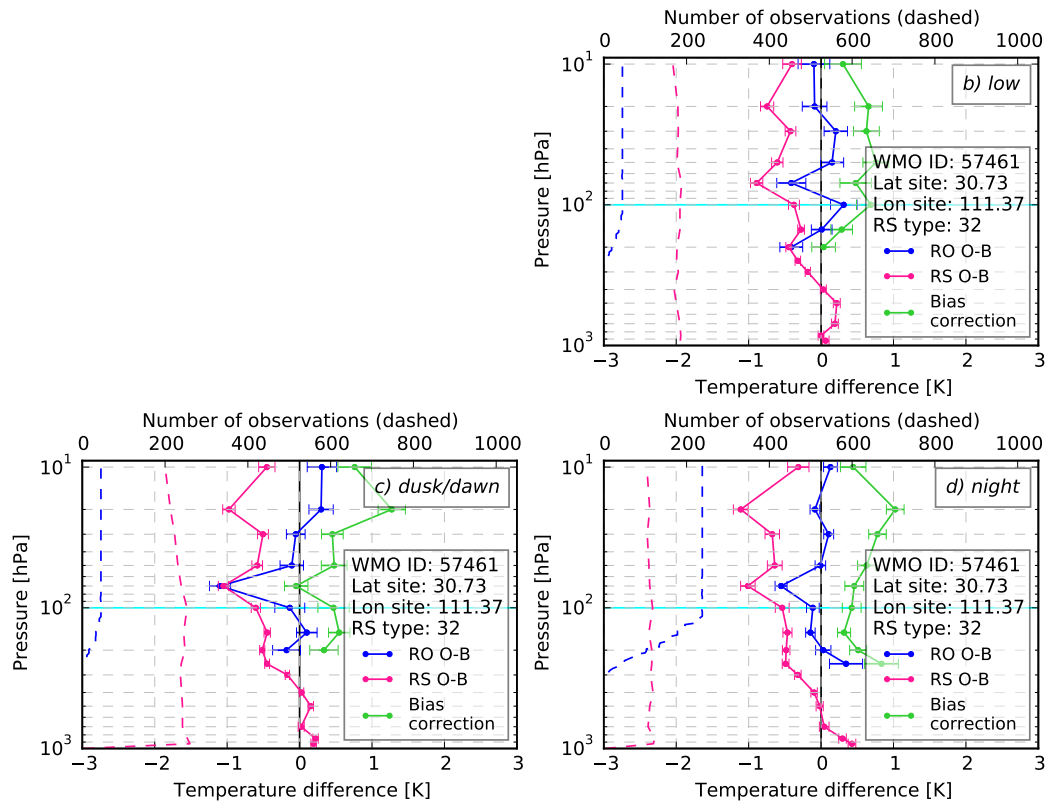
**Figure 1.392:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.393 WMO ID 57447



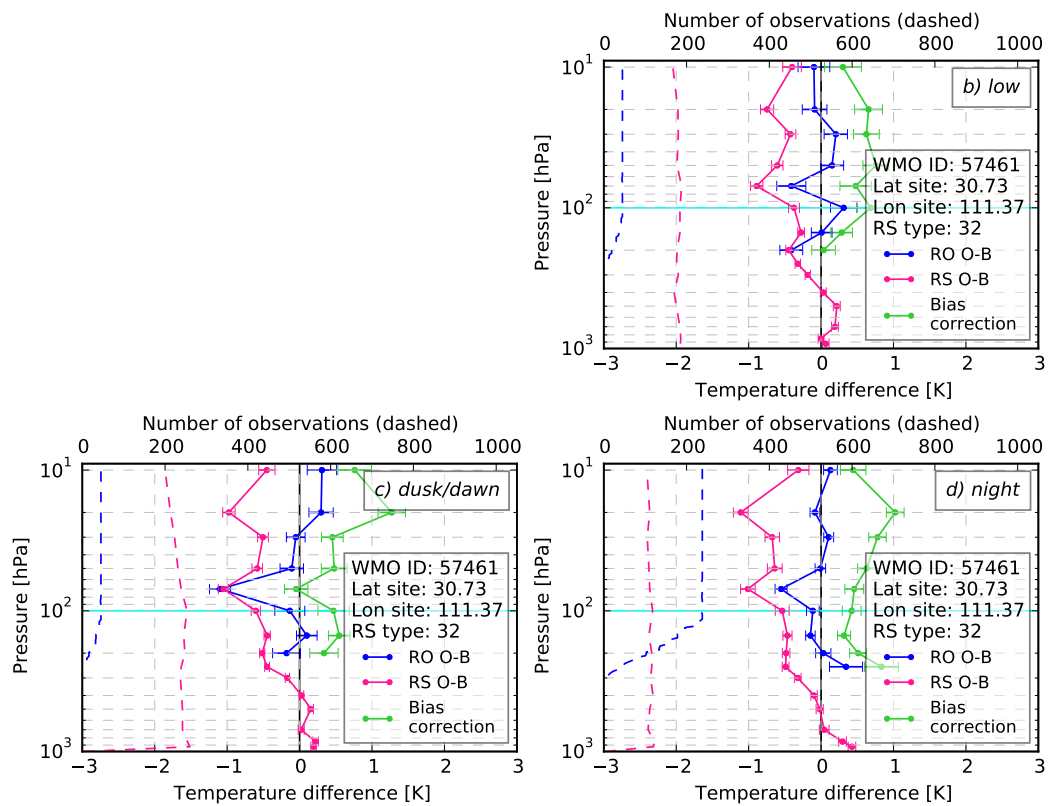
**Figure 1.393:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.394 WMO ID 57461



**Figure 1.394:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

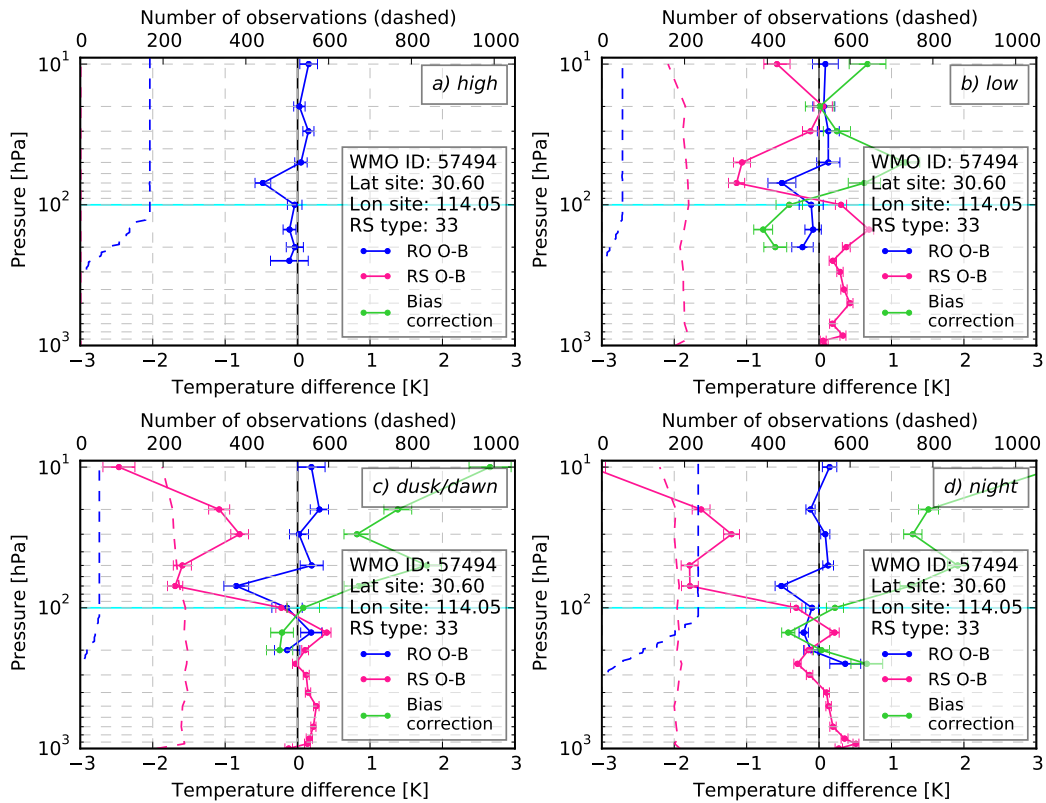
### 1.395 WMO ID 57461



**Figure 1.395:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

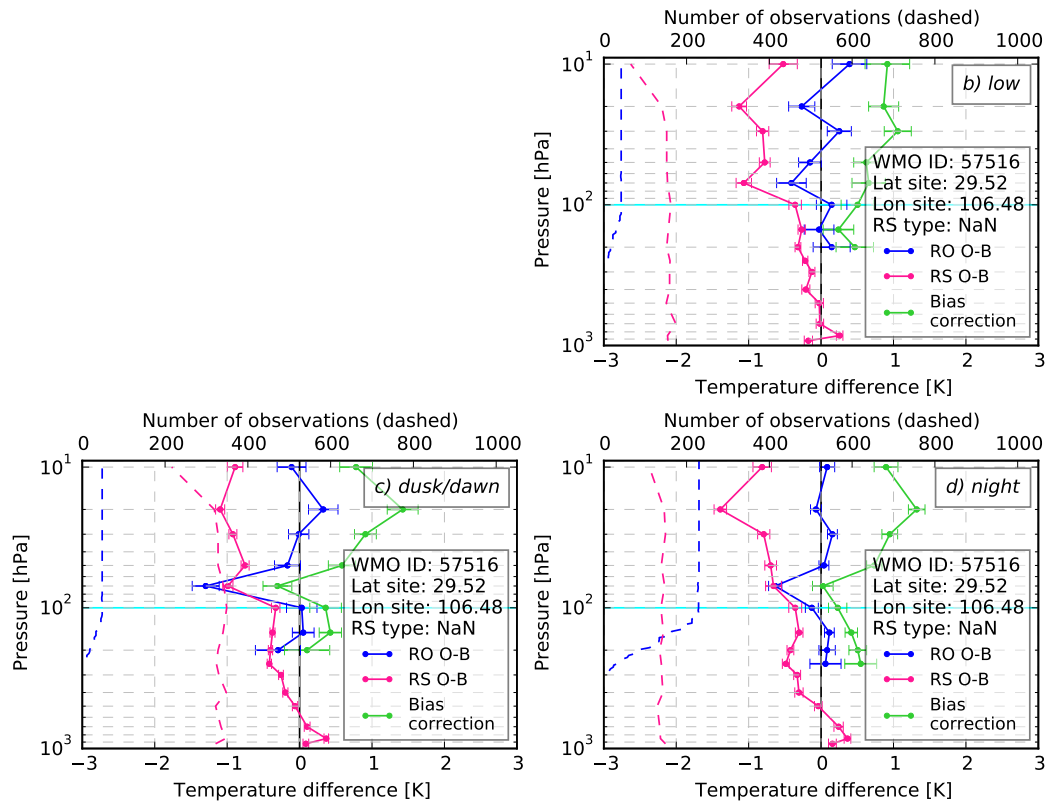


### 1.396 WMO ID 57494



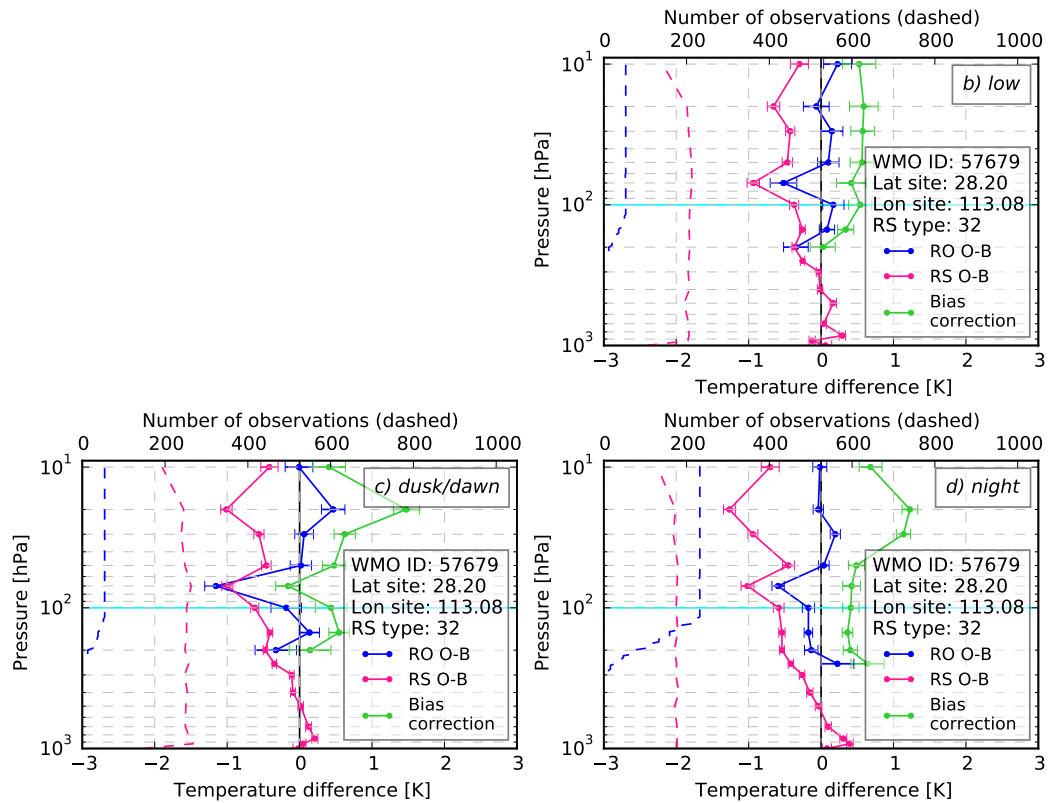
**Figure 1.396:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.397 WMO ID 57516



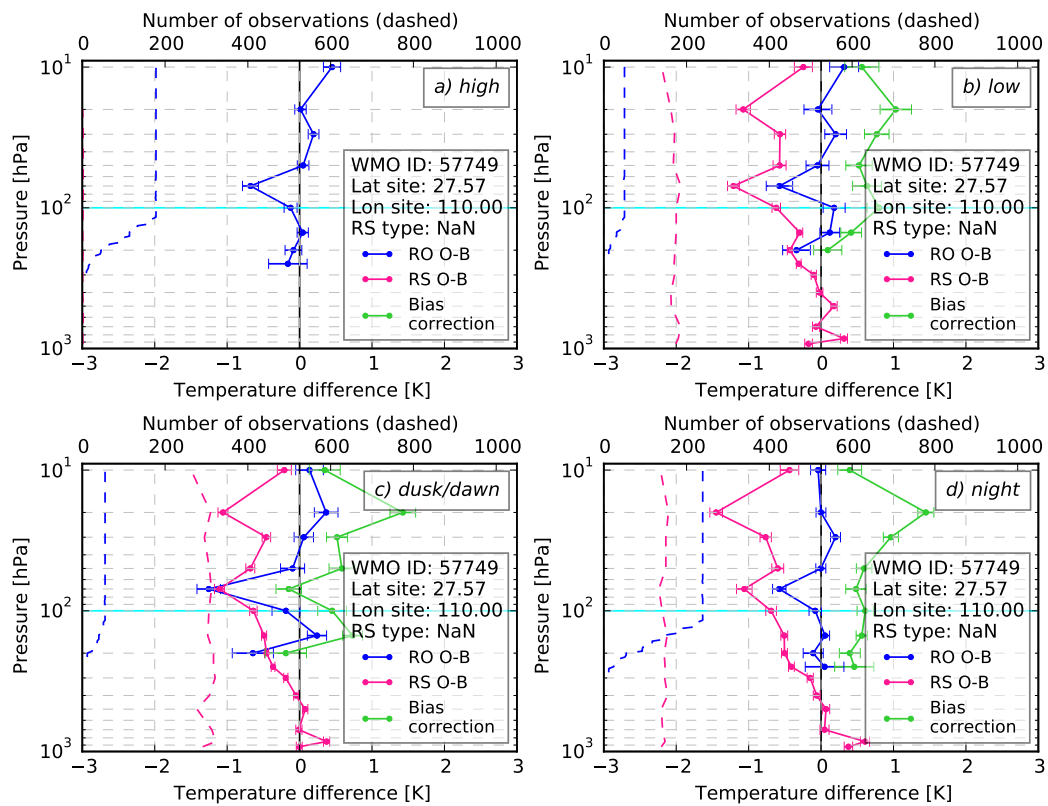
**Figure 1.397:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.398 WMO ID 57679



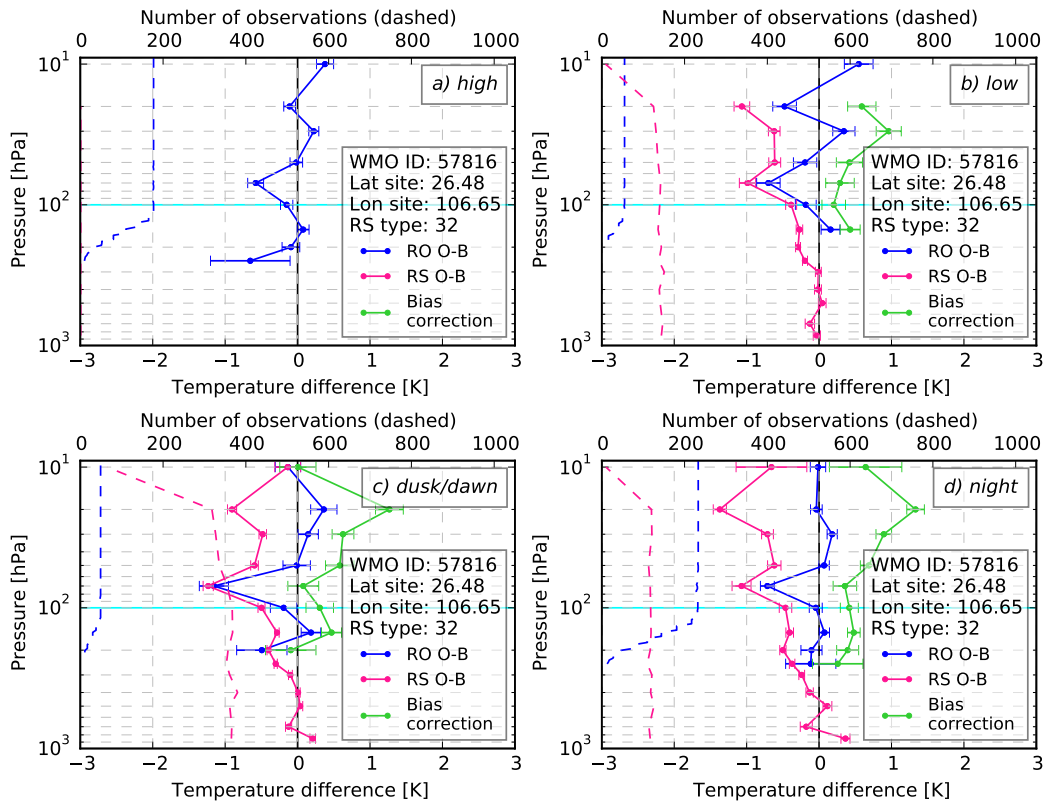
**Figure 1.398:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.399 WMO ID 57749



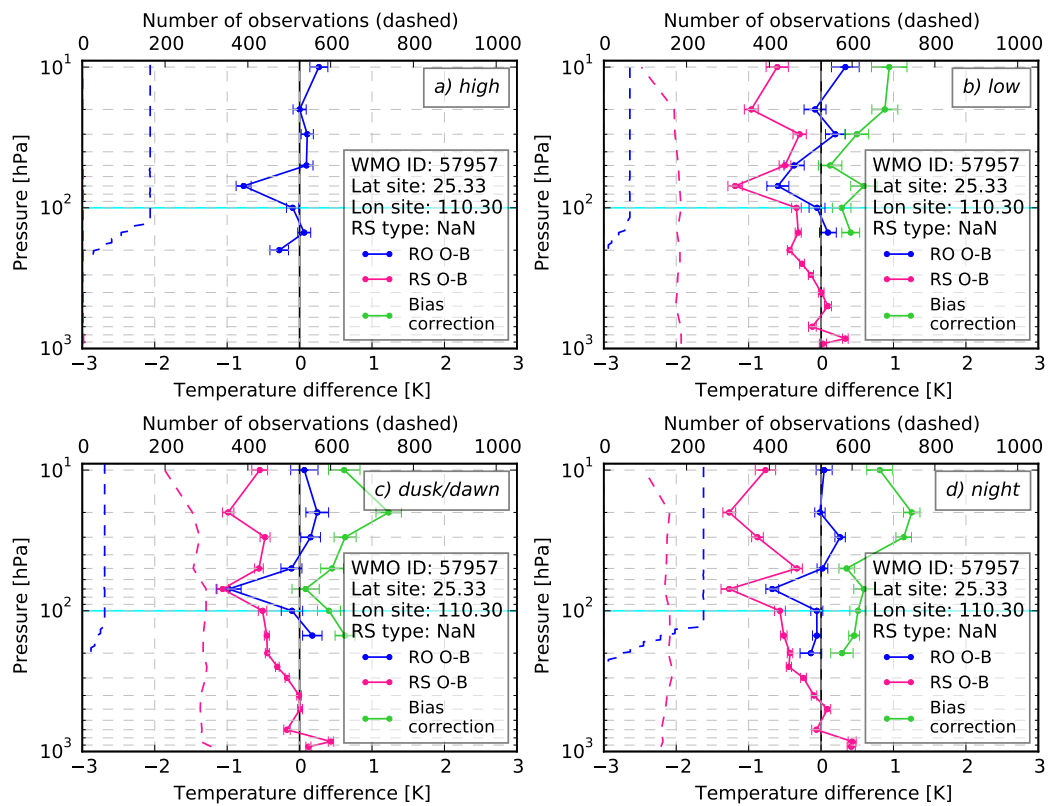
**Figure 1.399:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.400 WMO ID 57816



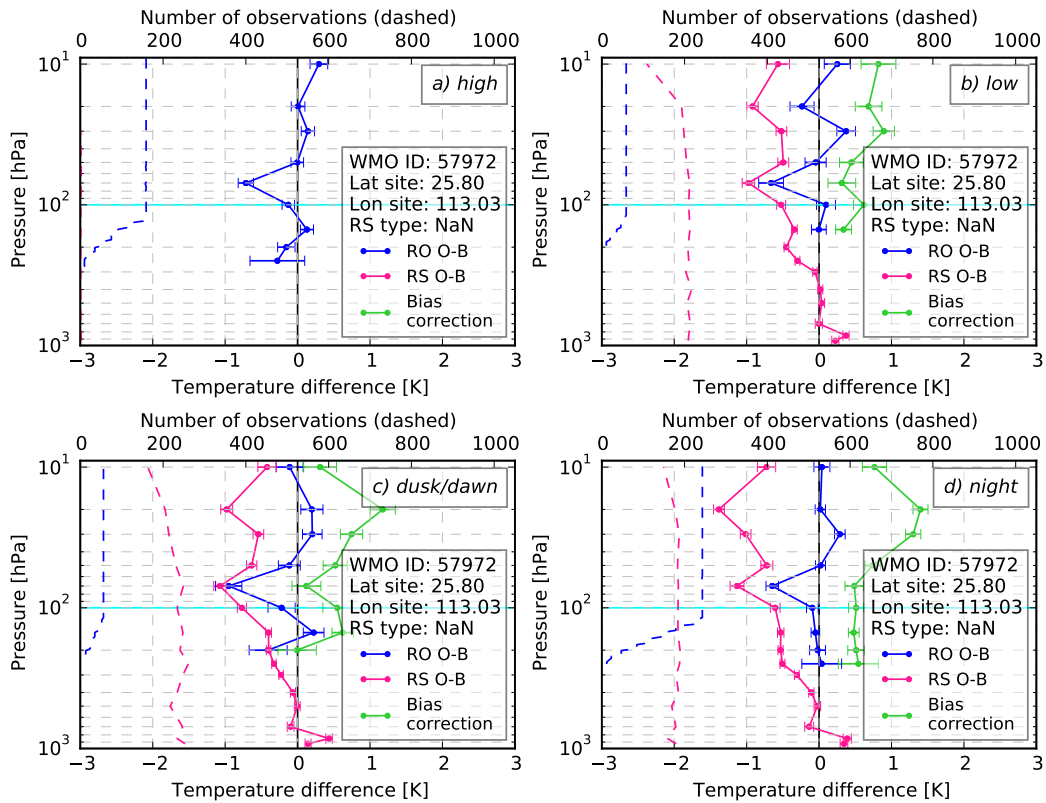
**Figure 1.400:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.401 WMO ID 57957



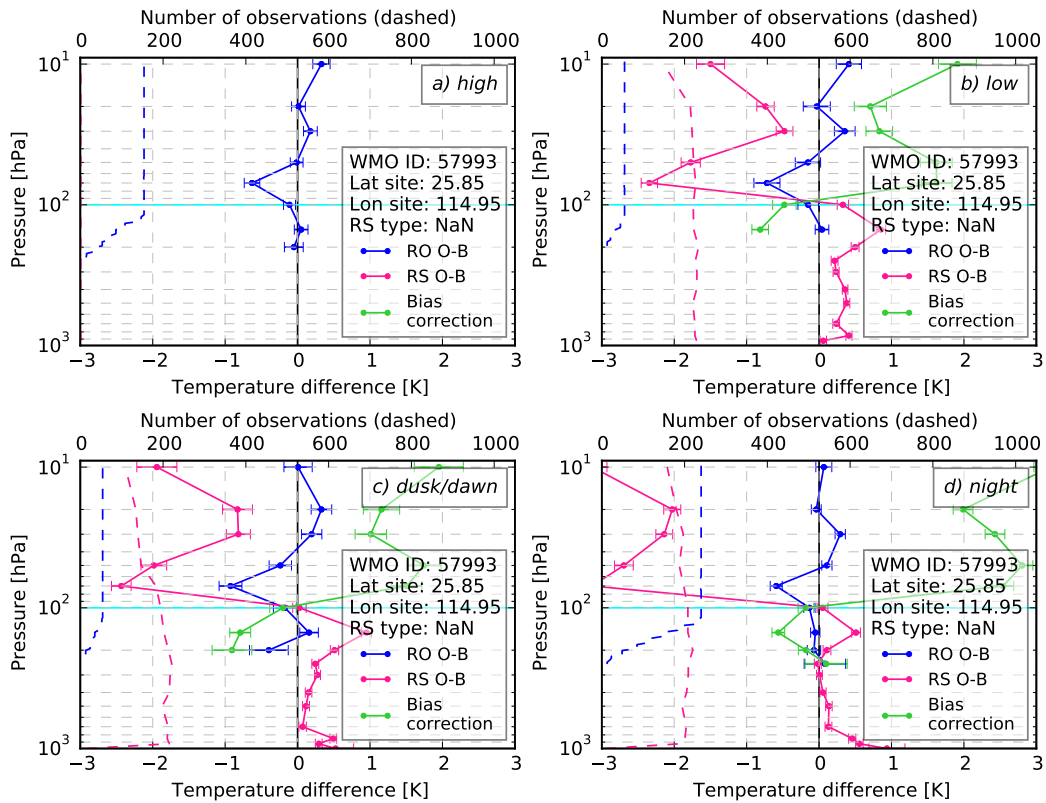
**Figure 1.401:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.402 WMO ID 57972



**Figure 1.402:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

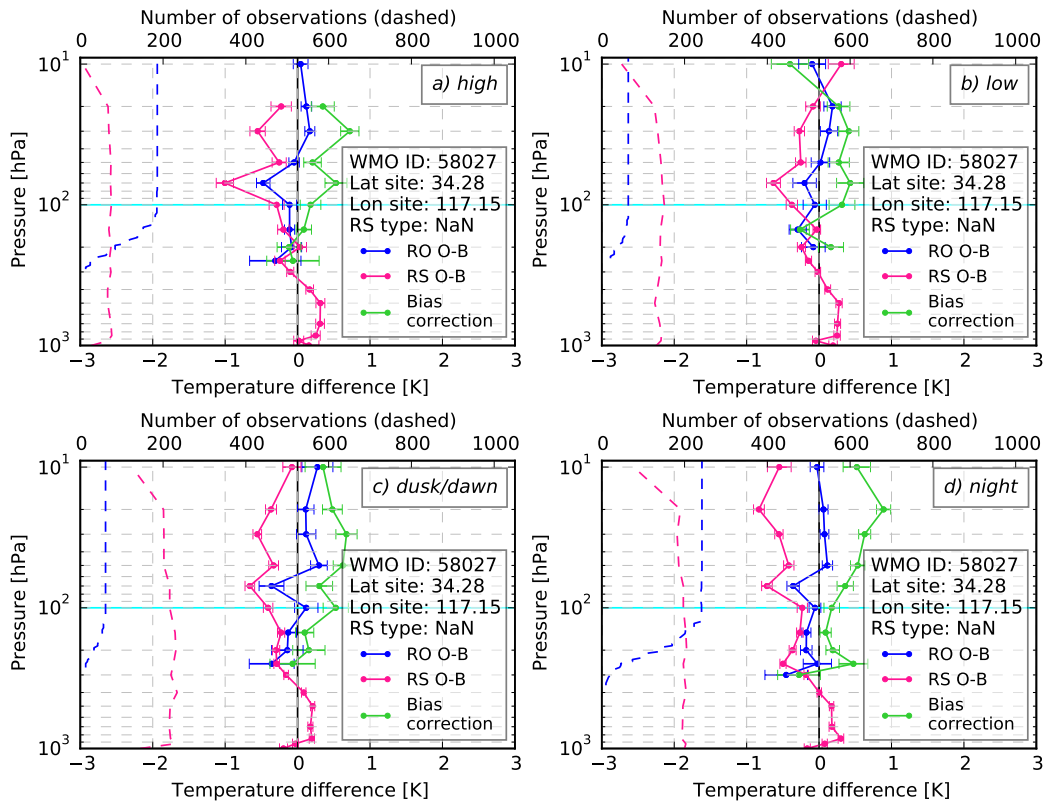
### 1.403 WMO ID 57993



**Figure 1.403:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

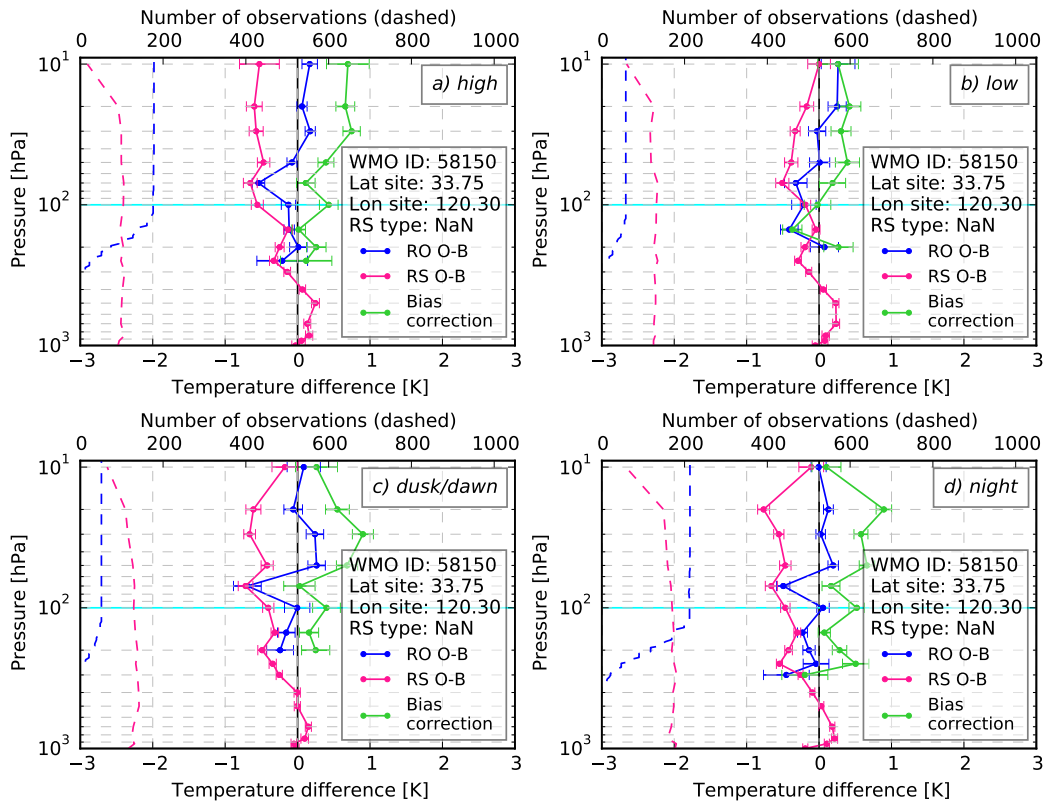


### 1.404 WMO ID 58027



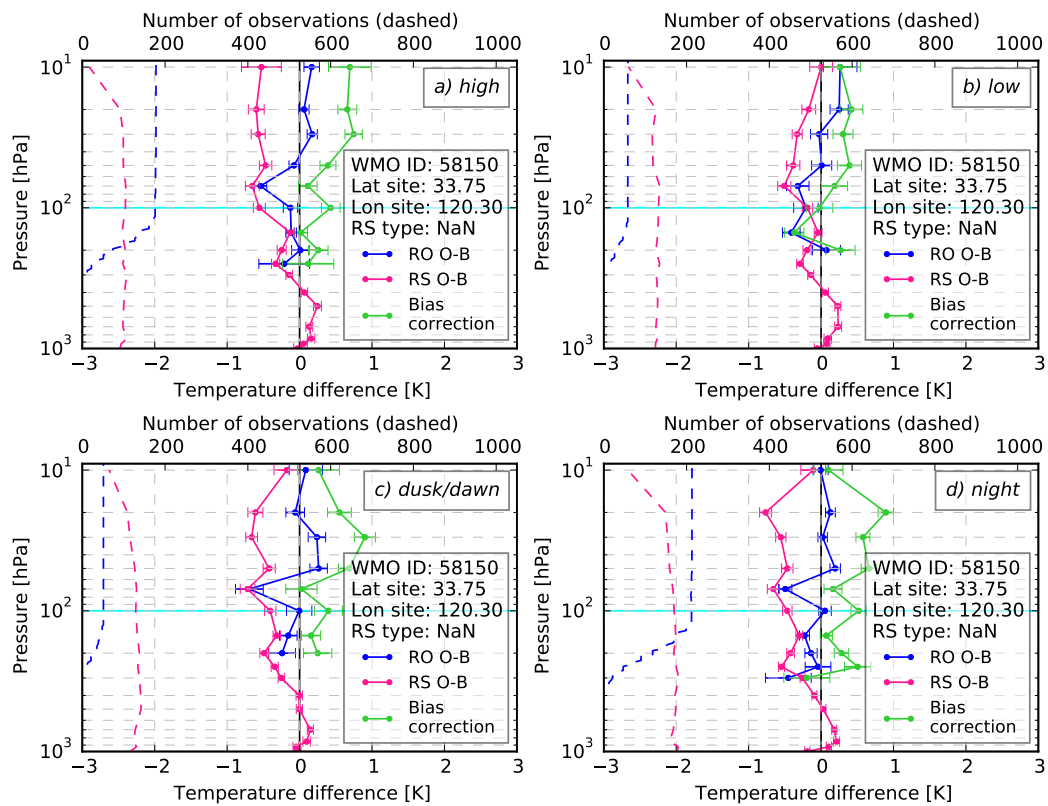
**Figure 1.404:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.405 WMO ID 58150



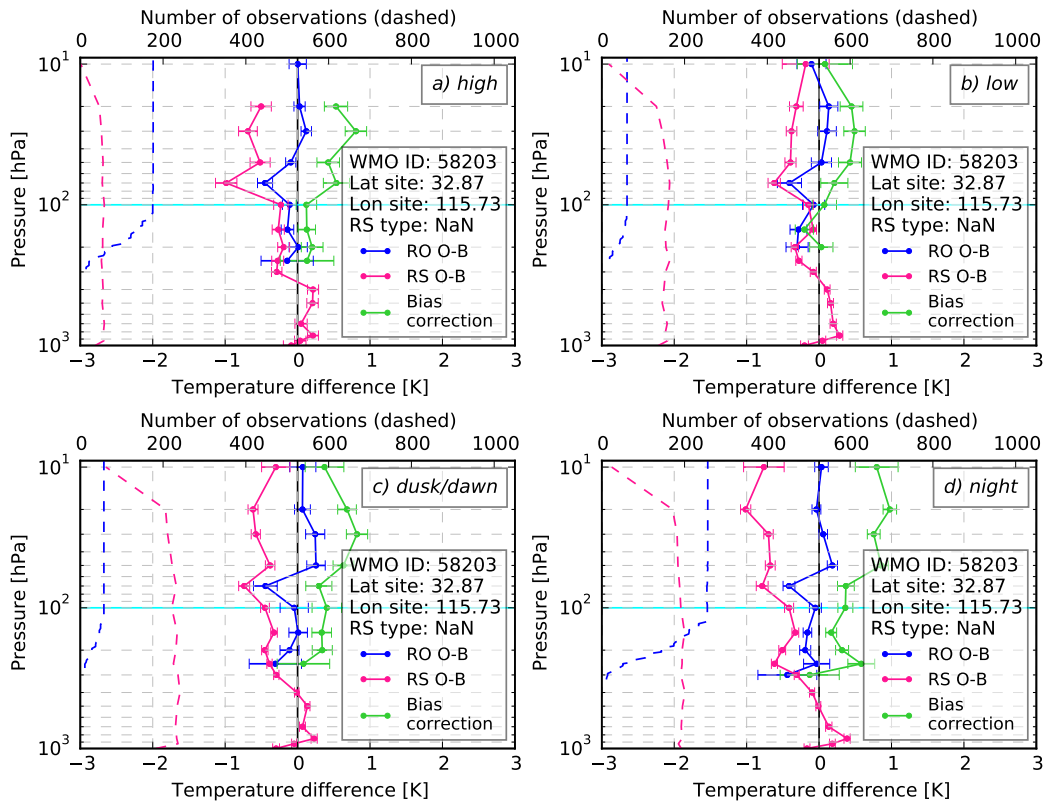
**Figure 1.405:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.406 WMO ID 58150



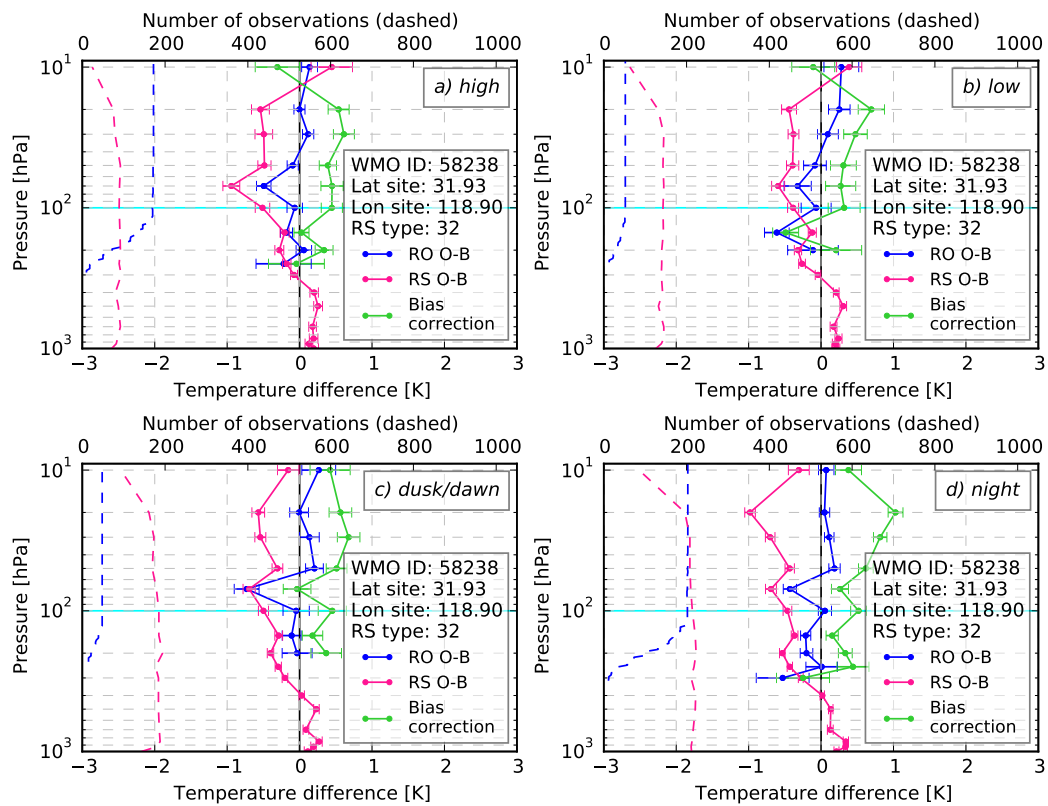
**Figure 1.406:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.407 WMO ID 58203



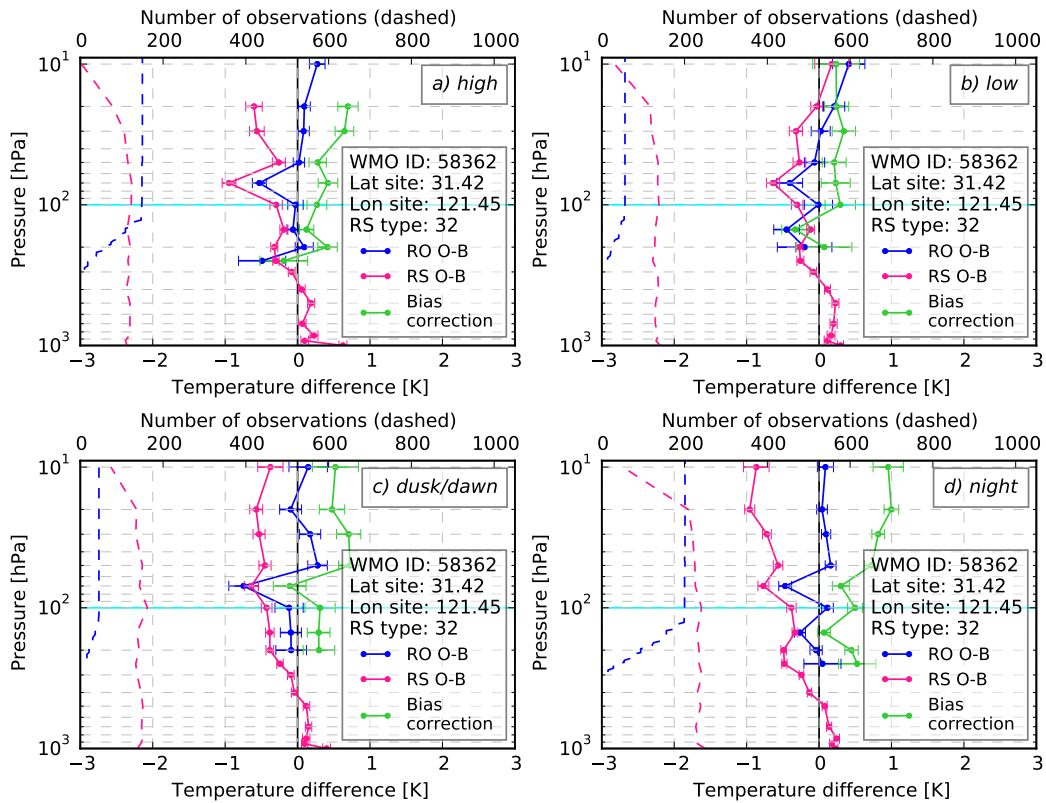
**Figure 1.407:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.408 WMO ID 58238



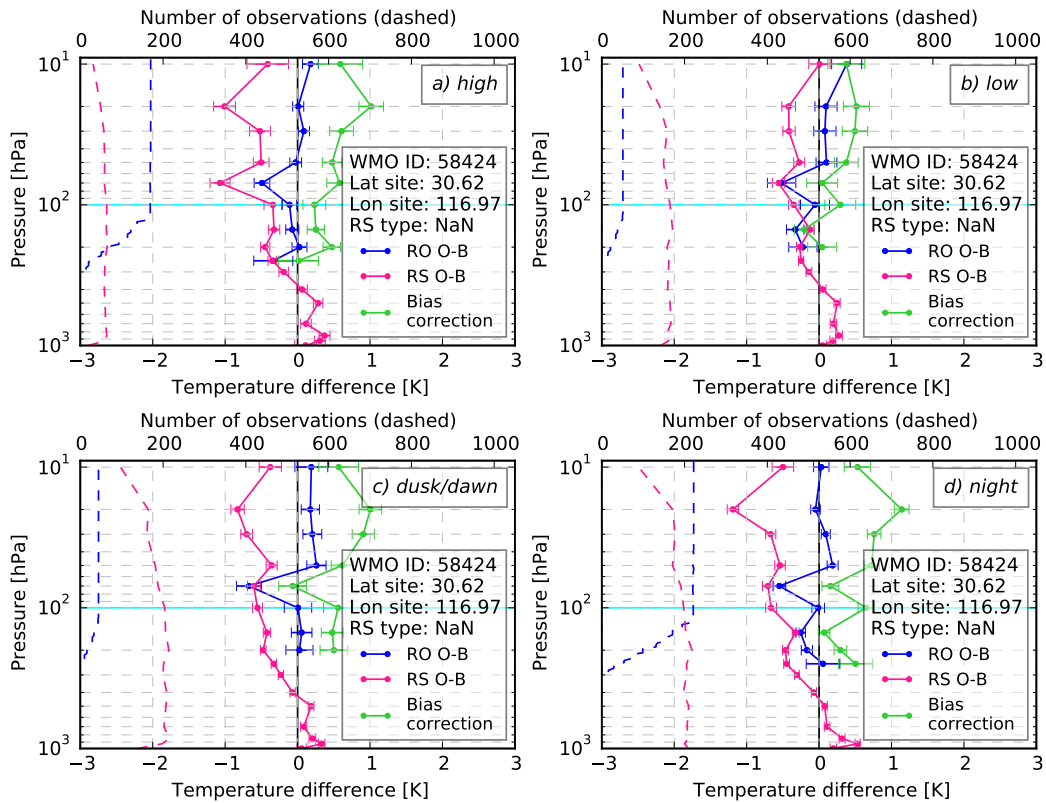
**Figure 1.408:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.409 WMO ID 58362



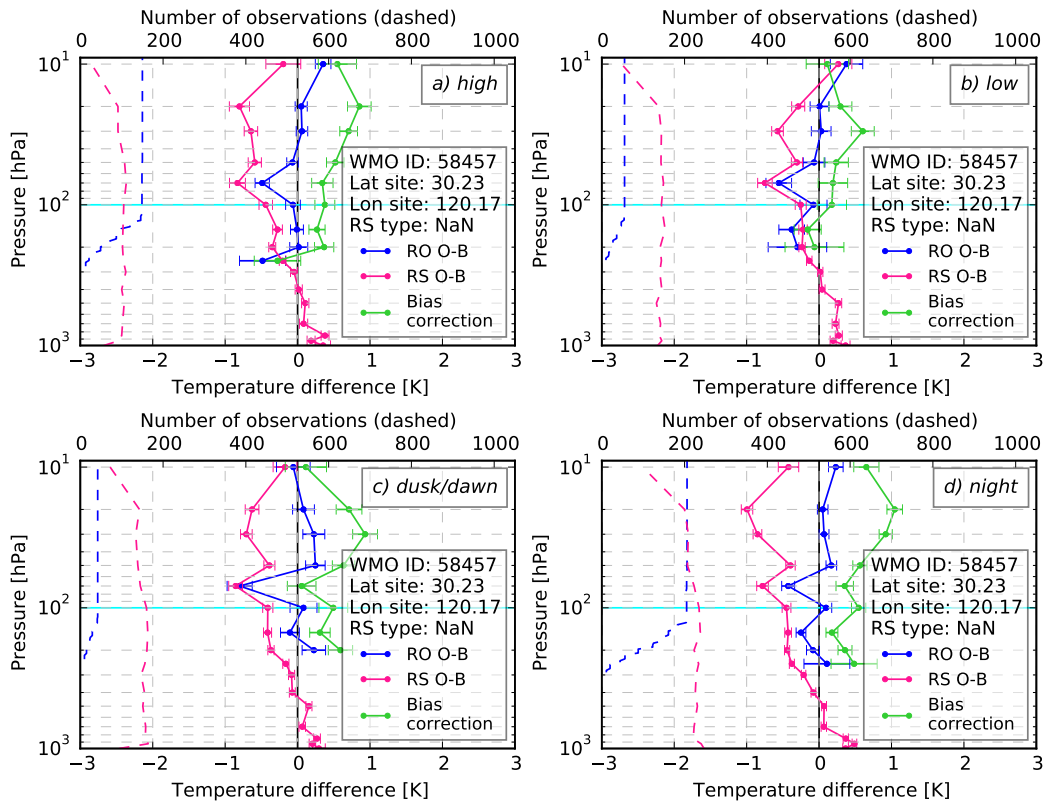
**Figure 1.409:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.410 WMO ID 58424



**Figure 1.410:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

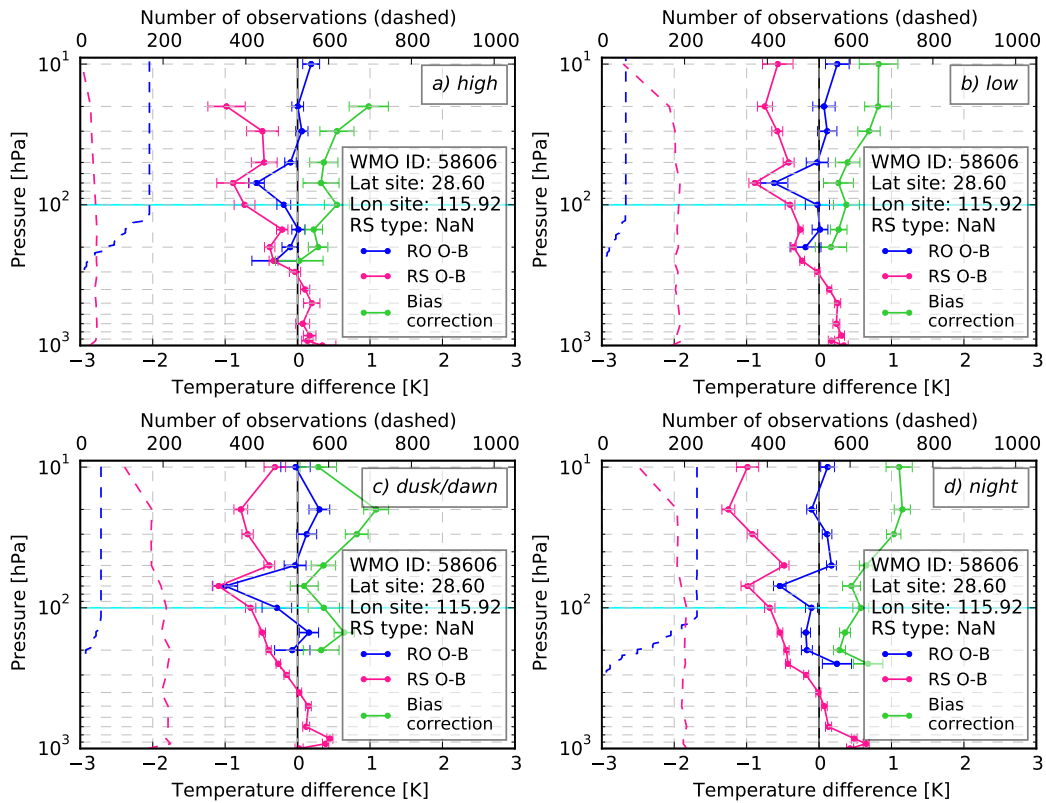
### 1.411 WMO ID 58457



**Figure 1.411:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

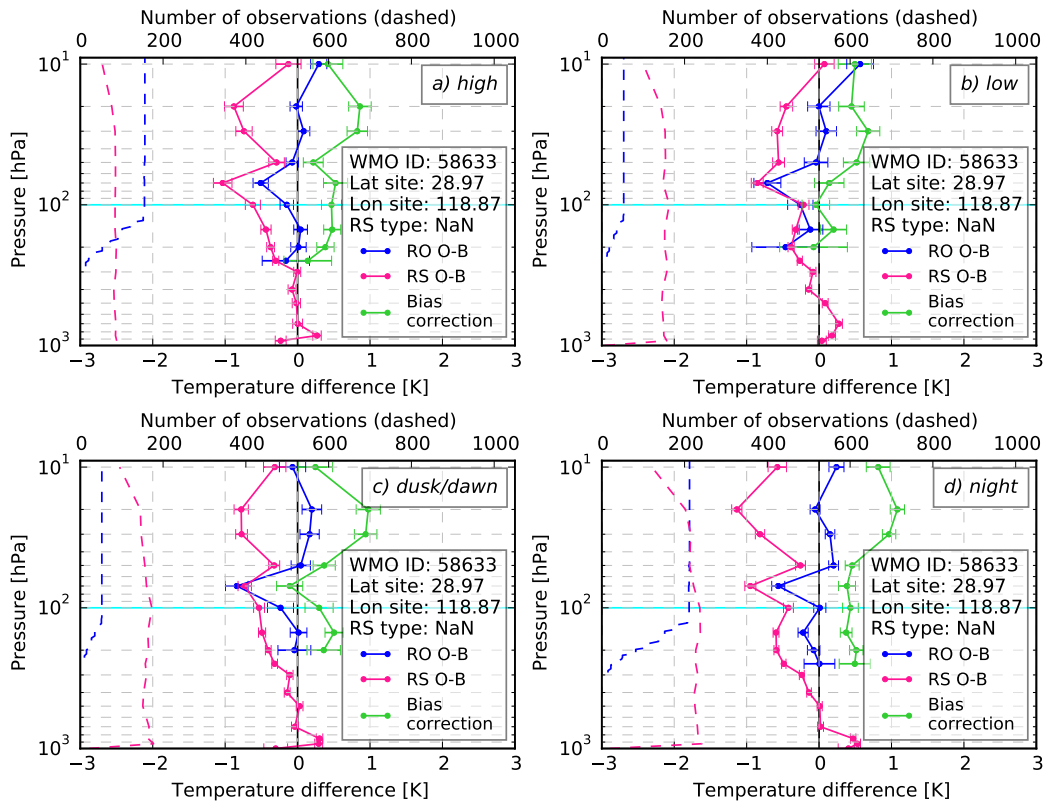


### 1.412 WMO ID 58606



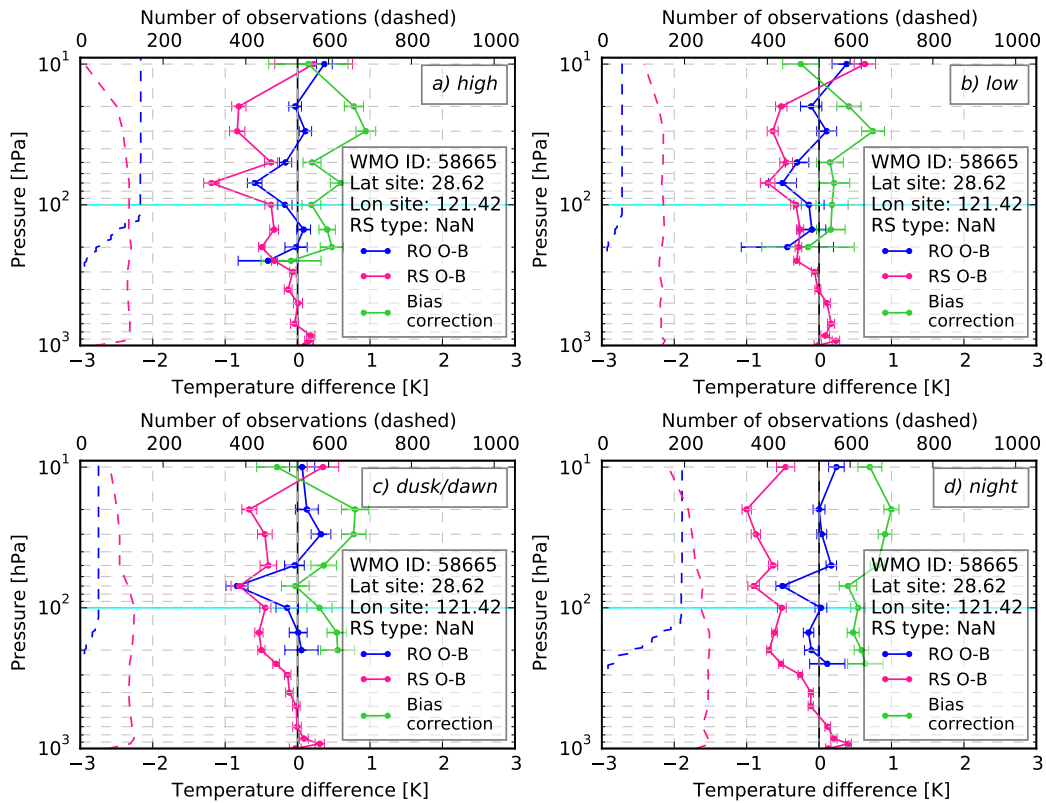
**Figure 1.412:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.413 WMO ID 58633



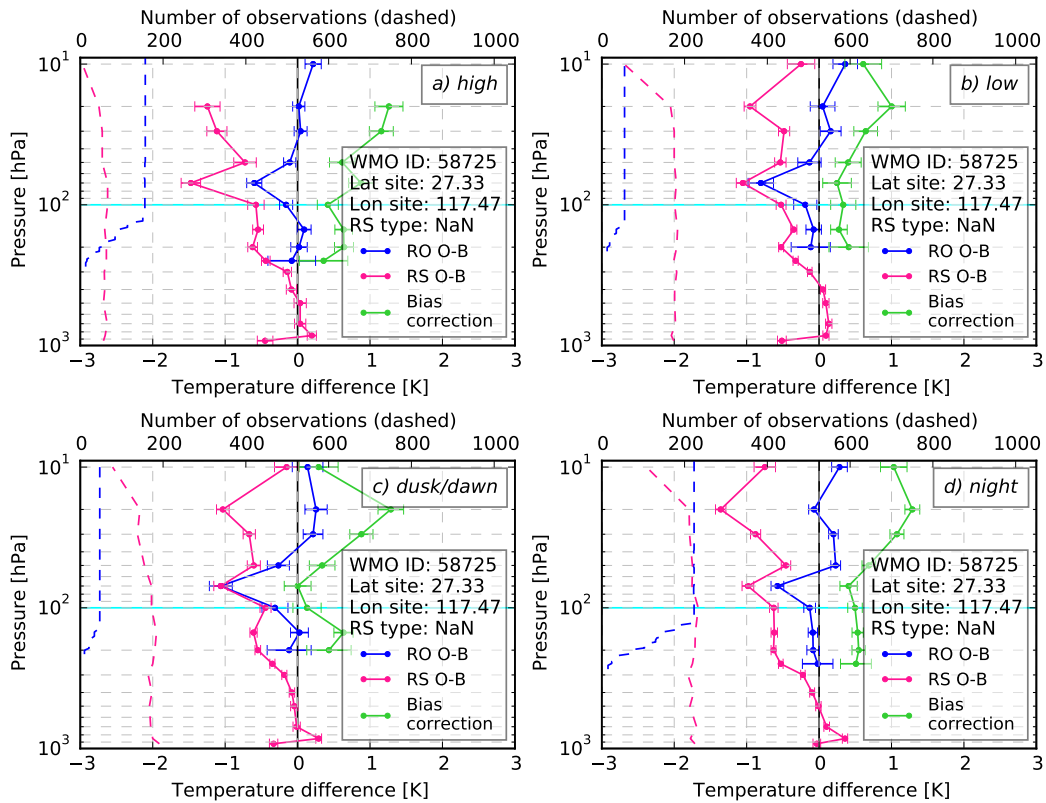
**Figure 1.413:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.414 WMO ID 58665



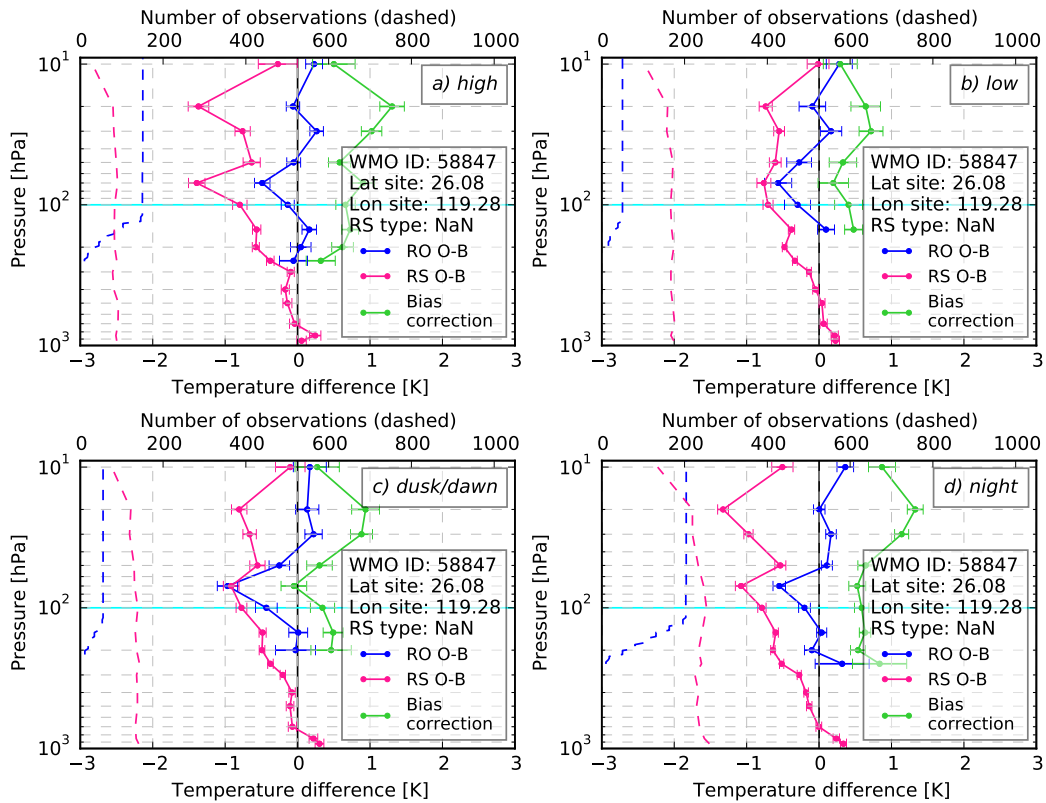
**Figure 1.414:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.415 WMO ID 58725



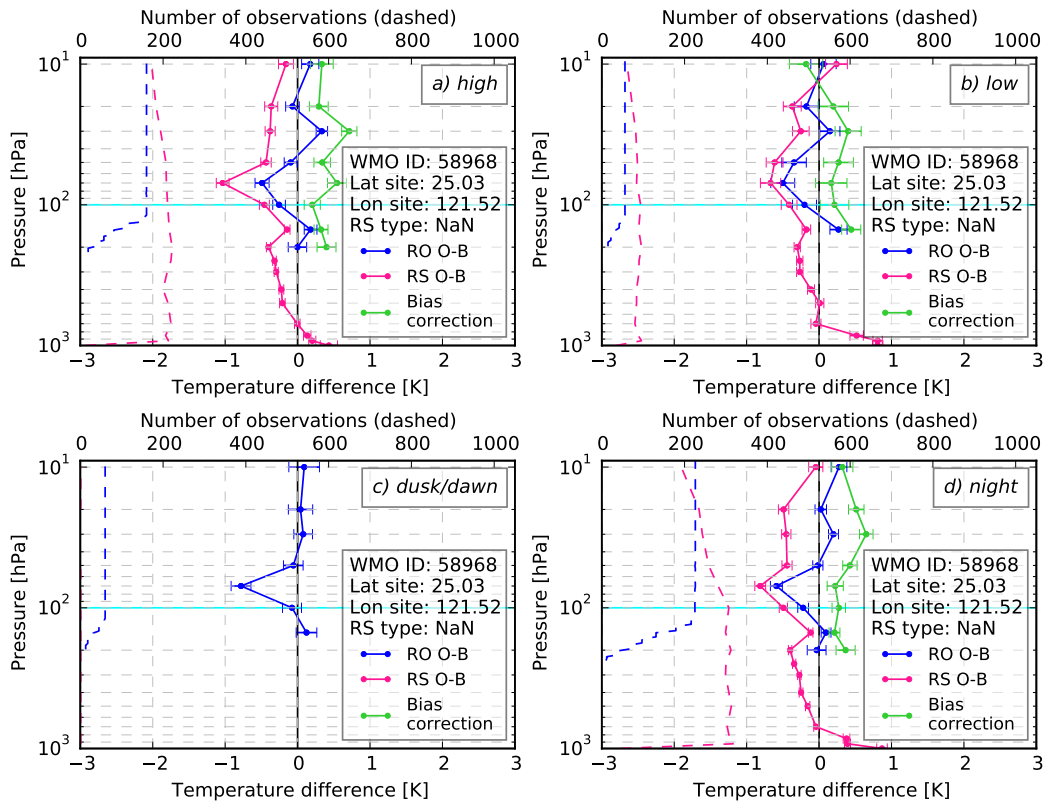
**Figure 1.415:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.416 WMO ID 58847



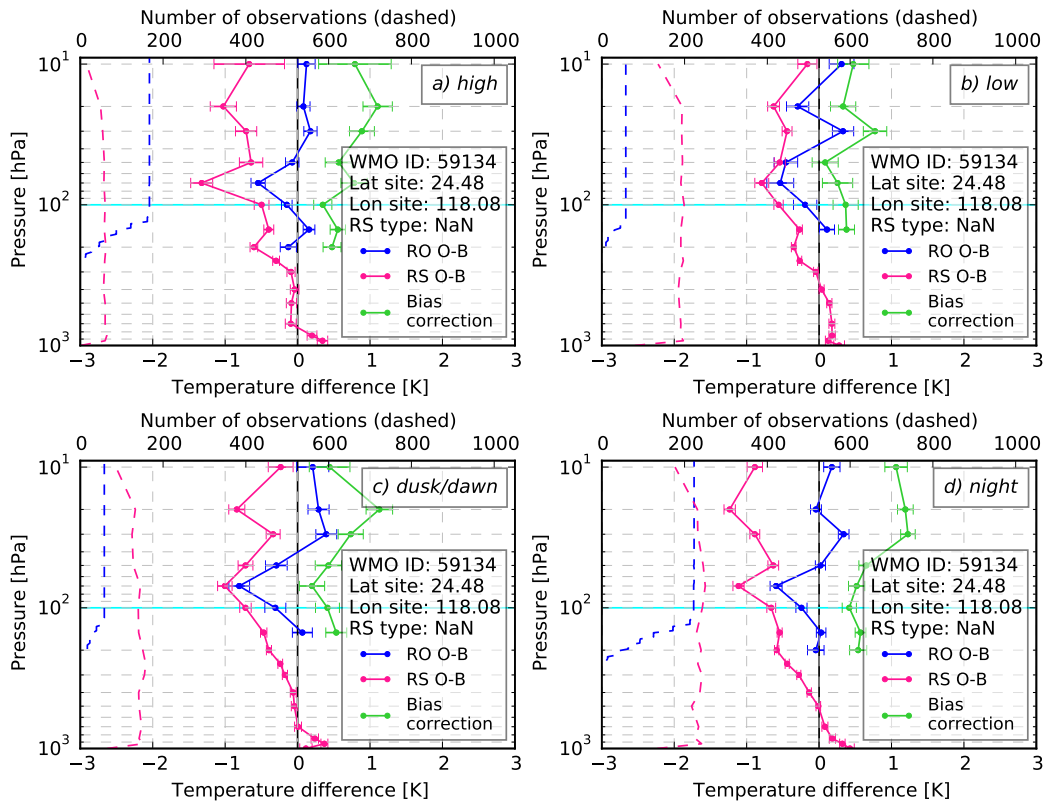
**Figure 1.416:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.417 WMO ID 58968



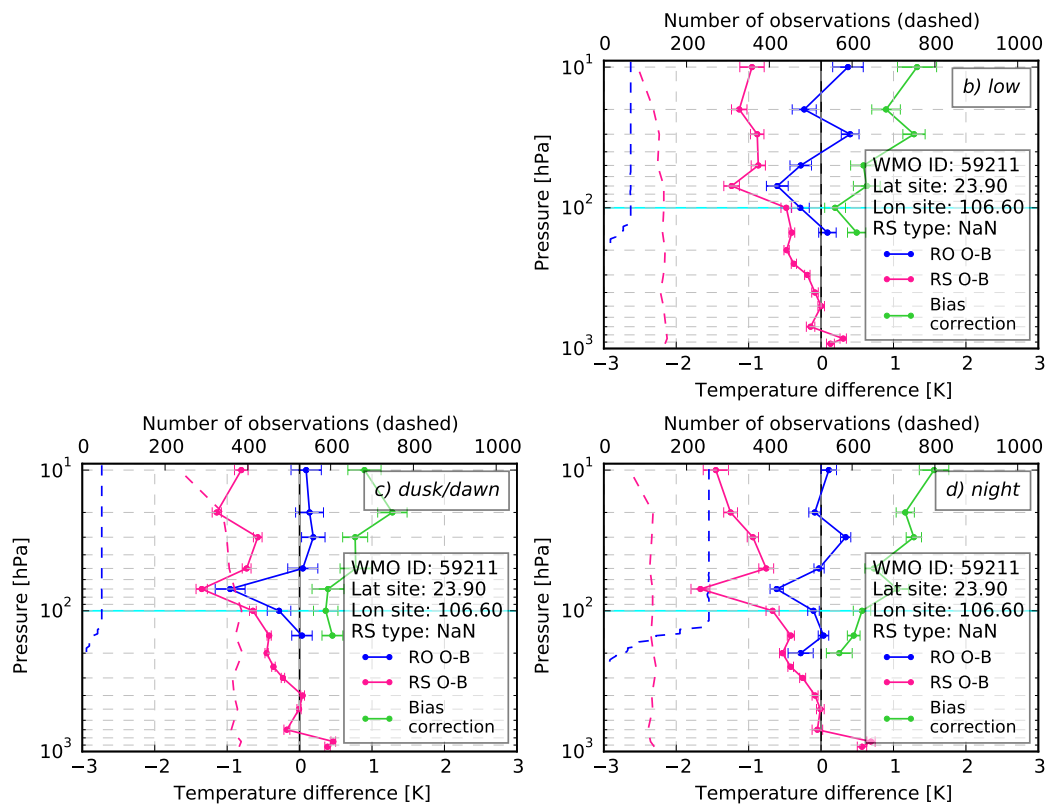
**Figure 1.417:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.418 WMO ID 59134



**Figure 1.418:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

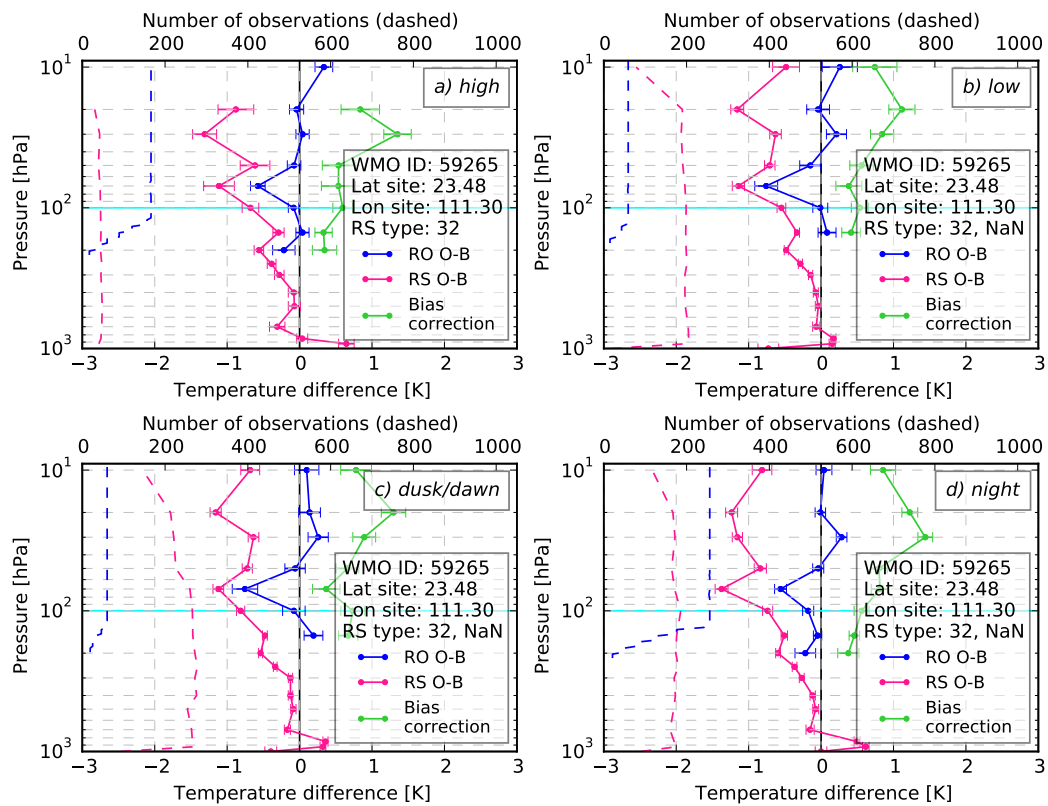
### 1.419 WMO ID 59211



**Figure 1.419:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

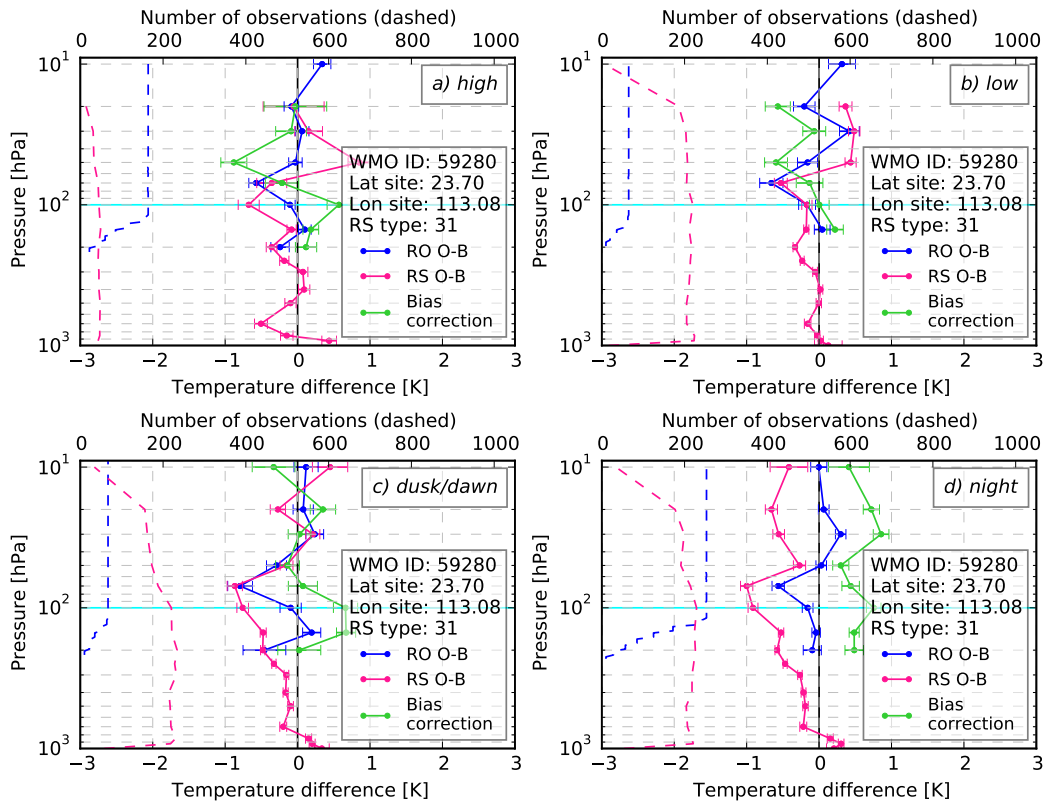


### 1.420 WMO ID 59265



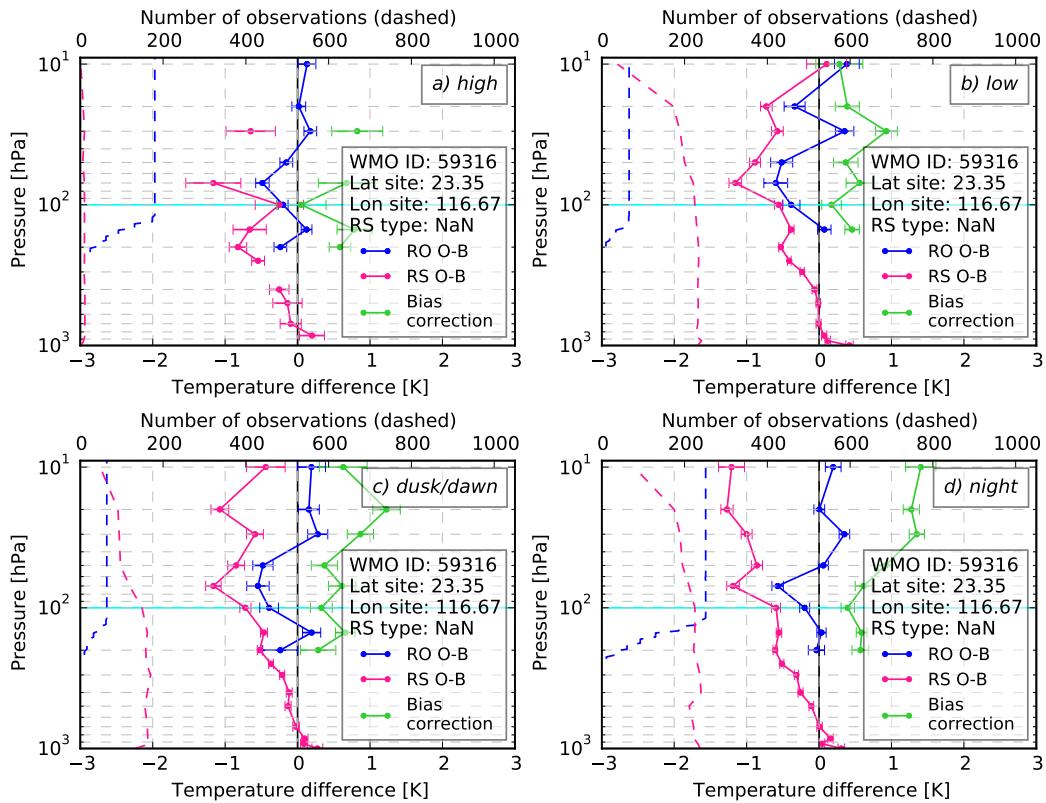
**Figure 1.420:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.421 WMO ID 59280



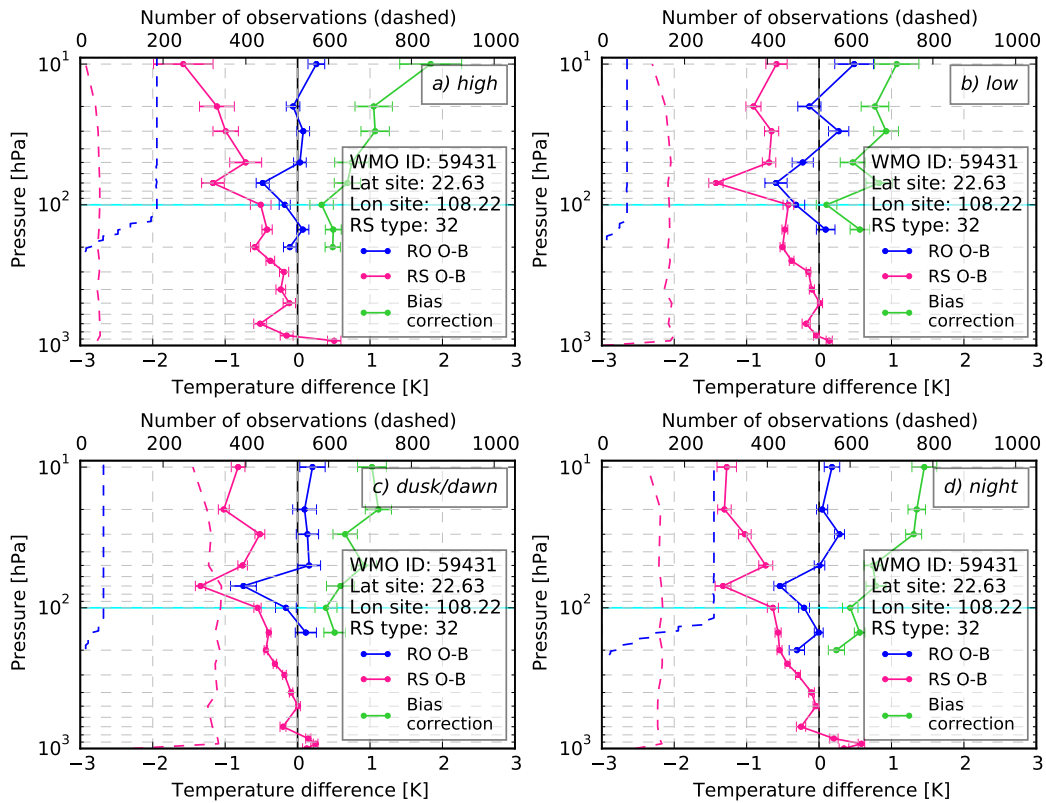
**Figure 1.421:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.422 WMO ID 59316



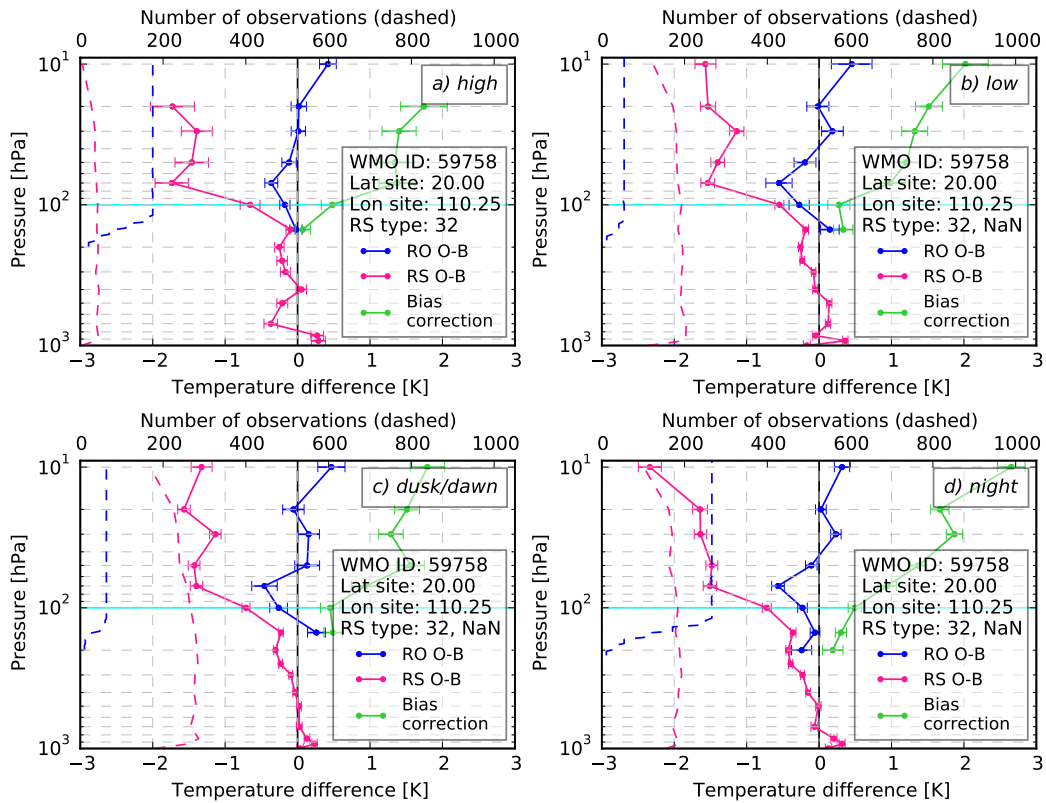
**Figure 1.422:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.423 WMO ID 59431



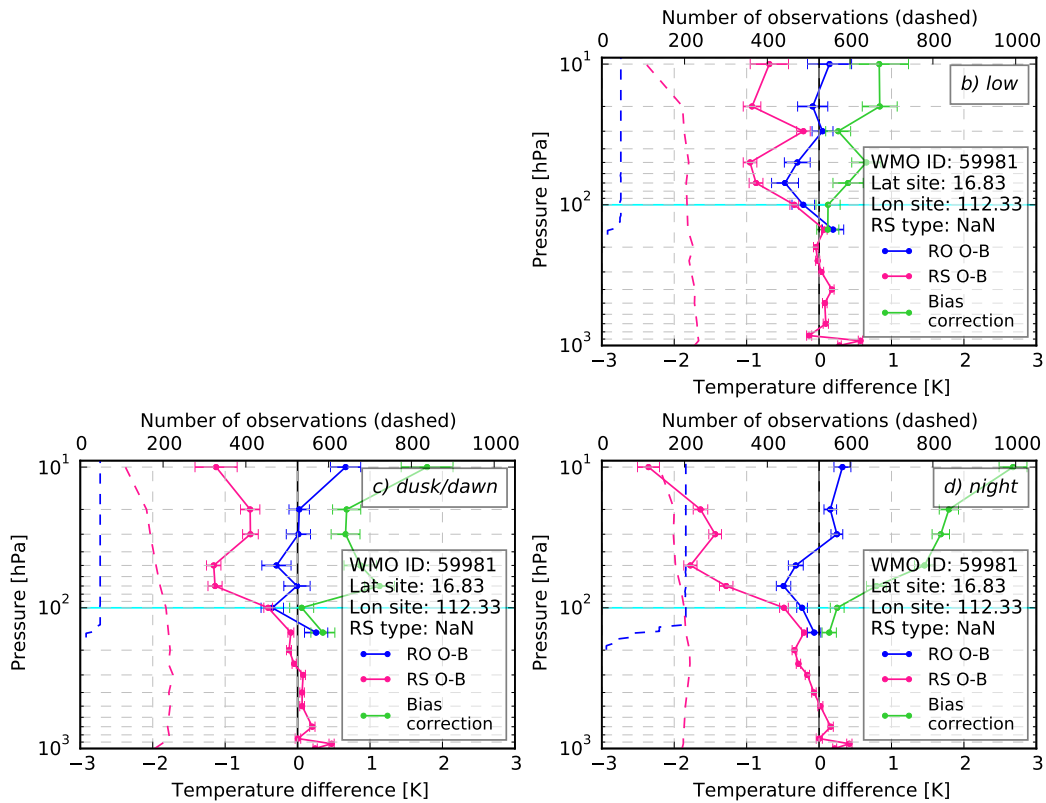
**Figure 1.423:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.424 WMO ID 59758



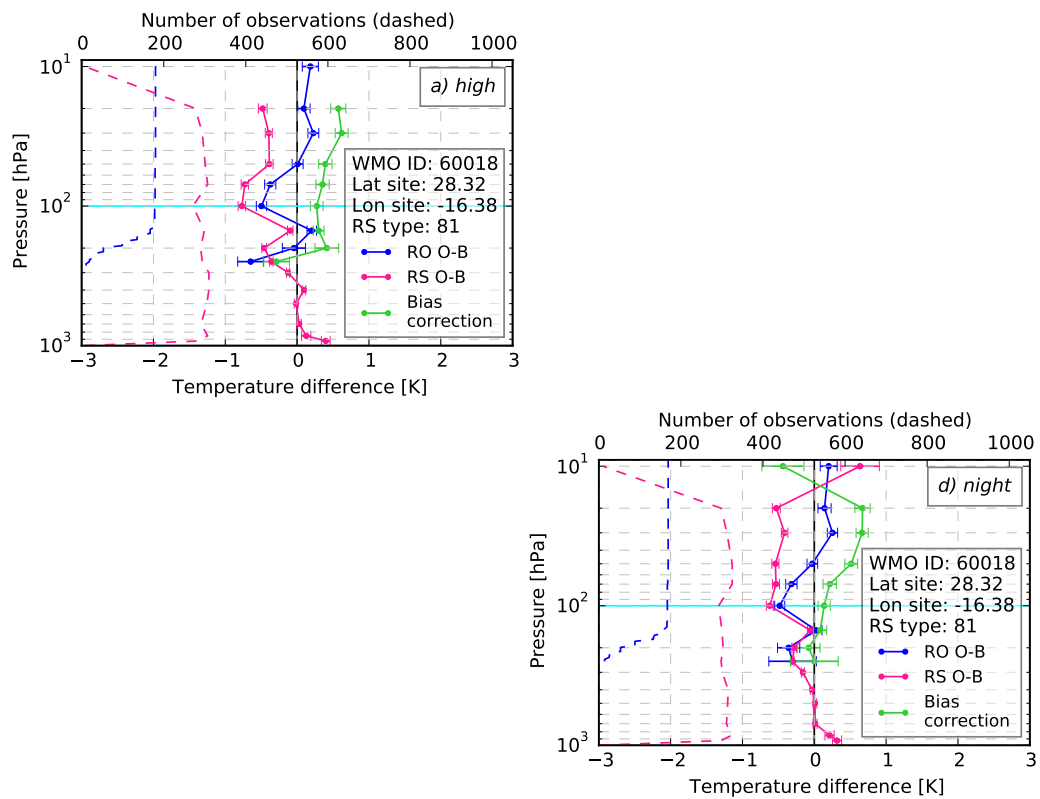
**Figure 1.424:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.425 WMO ID 59981



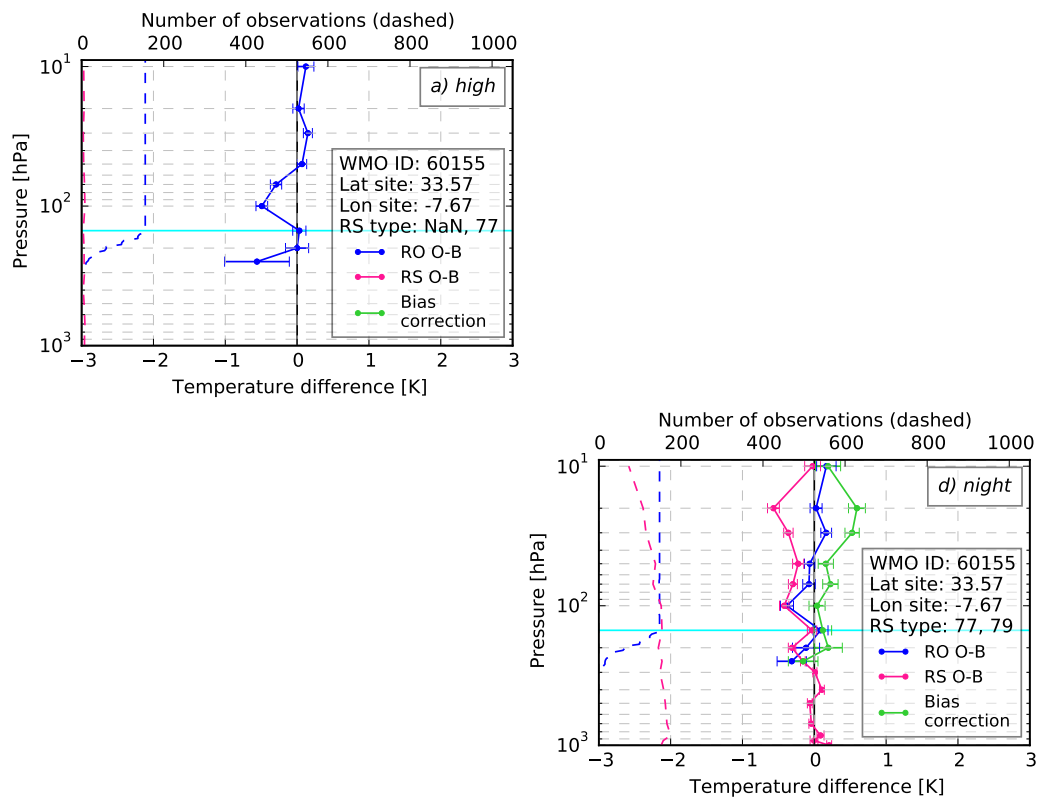
**Figure 1.425:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.426 WMO ID 60018



**Figure 1.426:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

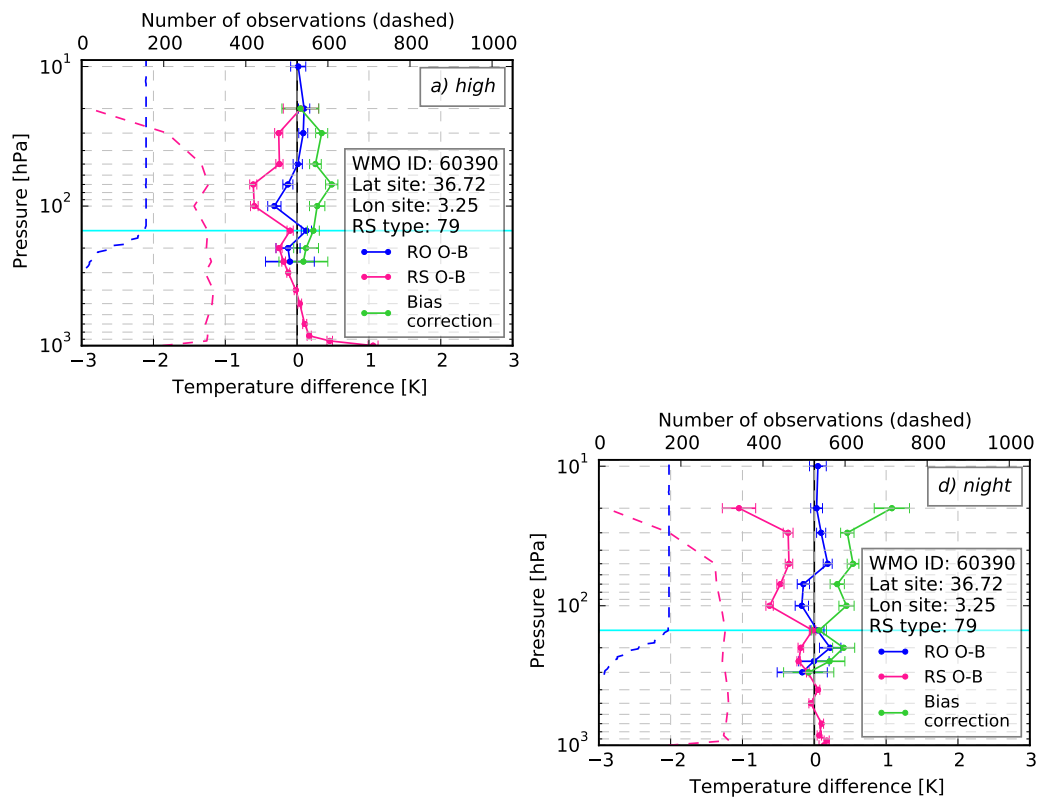
### 1.427 WMO ID 60155



**Figure 1.427:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

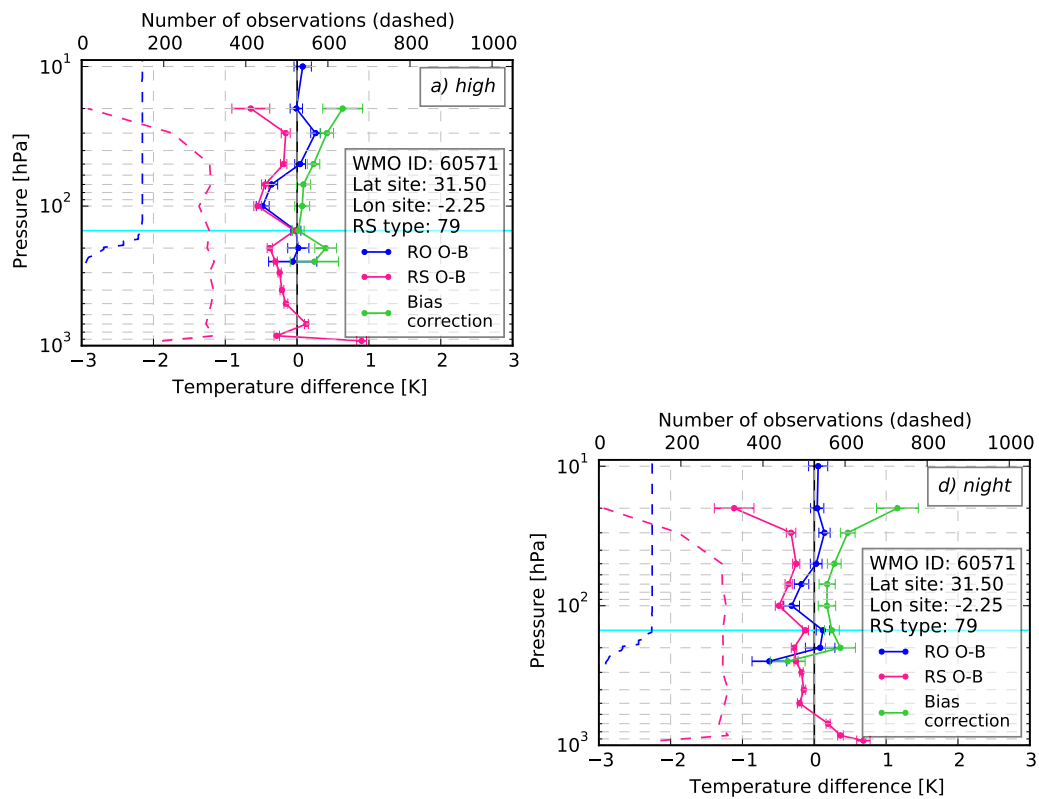


### 1.428 WMO ID 60390



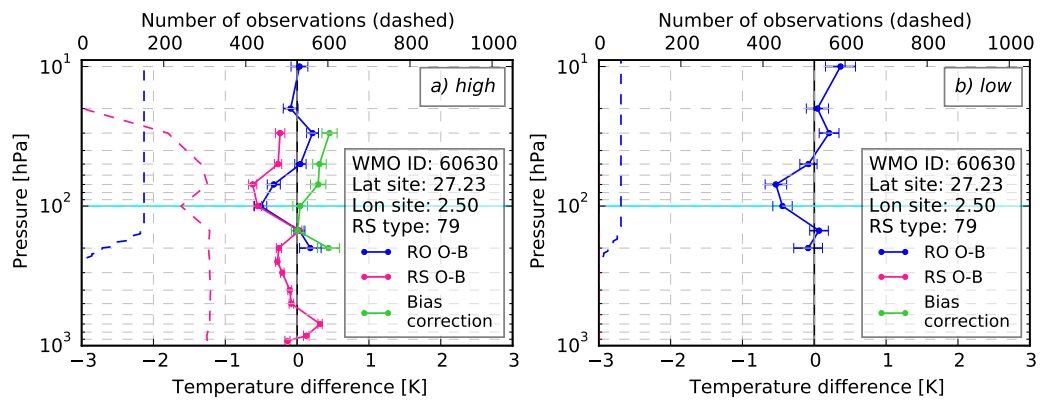
**Figure 1.428:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.429 WMO ID 60571



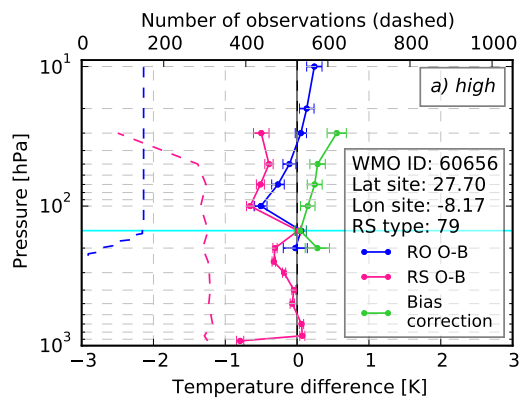
**Figure 1.429:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.430 WMO ID 60630



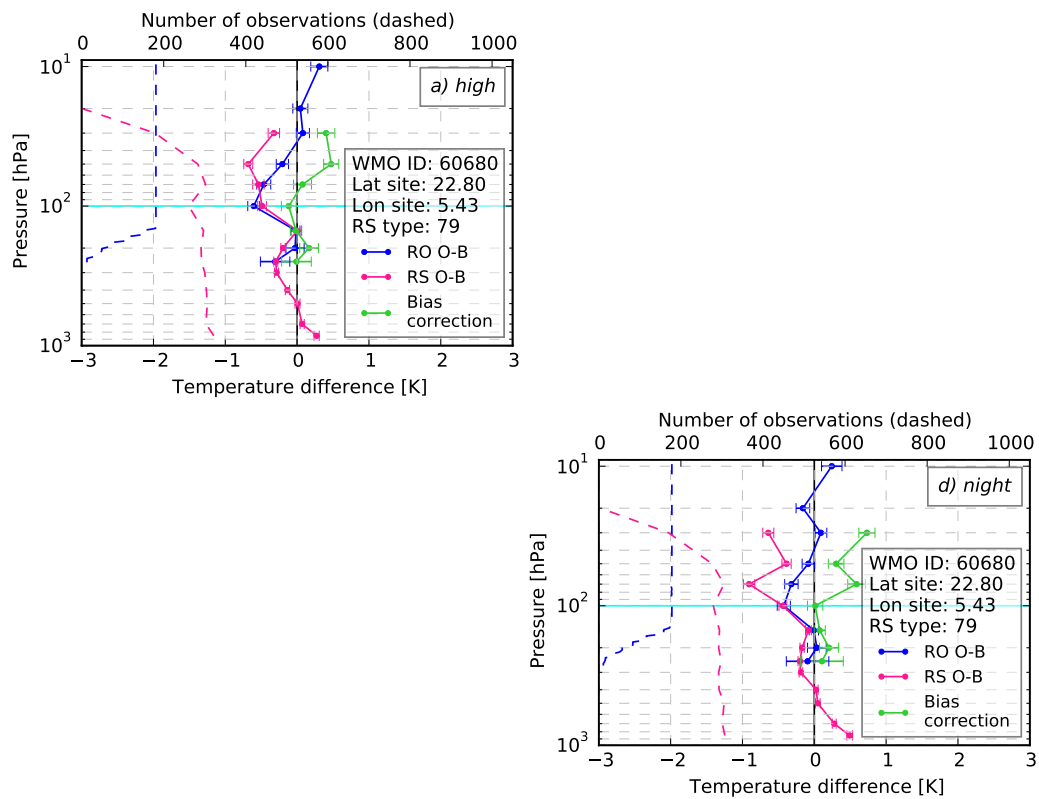
**Figure 1.430:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.431 WMO ID 60656



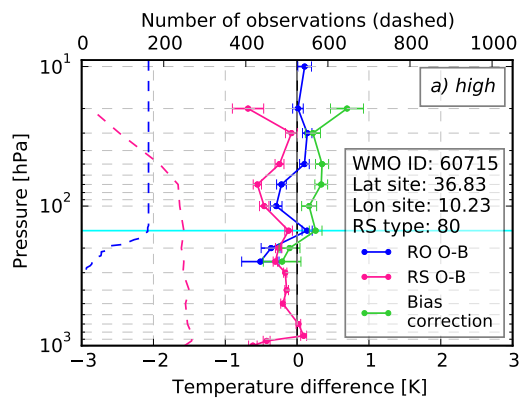
**Figure 1.431:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.432 WMO ID 60680



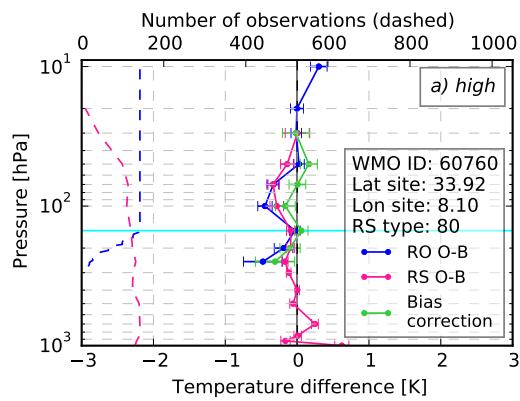
**Figure 1.432:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.433 WMO ID 60715



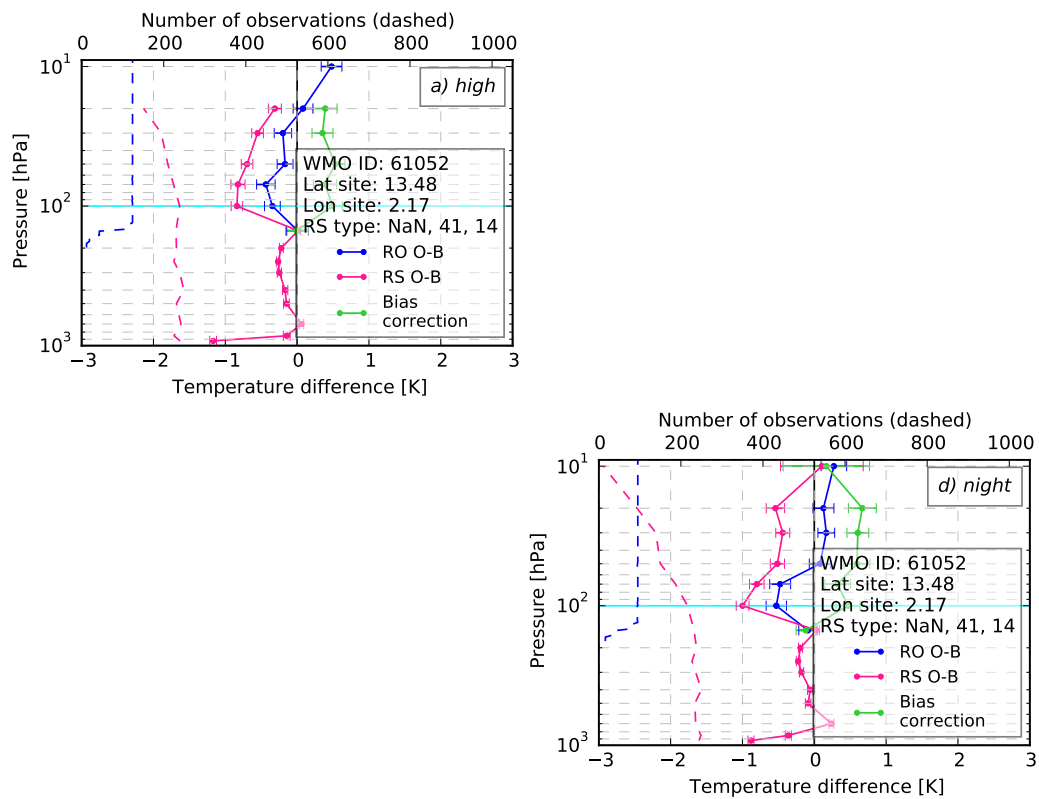
**Figure 1.433:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.434 WMO ID 60760



**Figure 1.434:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

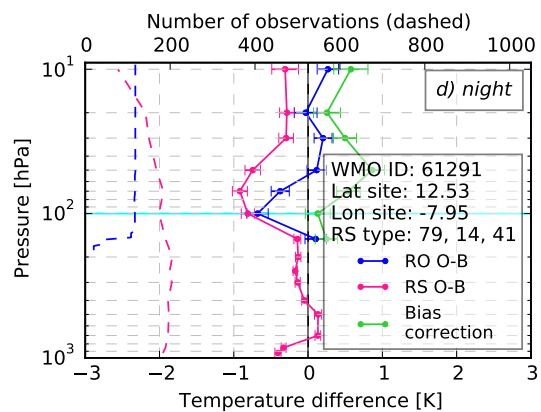
### 1.435 WMO ID 61052



**Figure 1.435:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

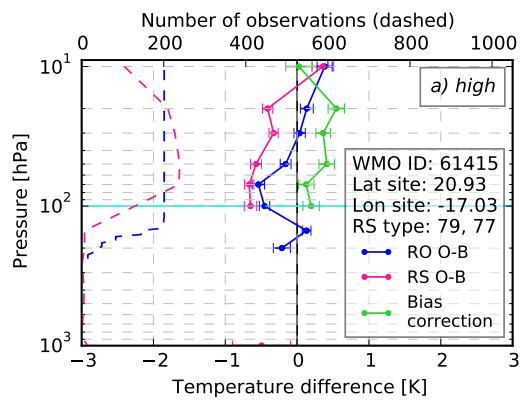


### 1.436 WMO ID 61291



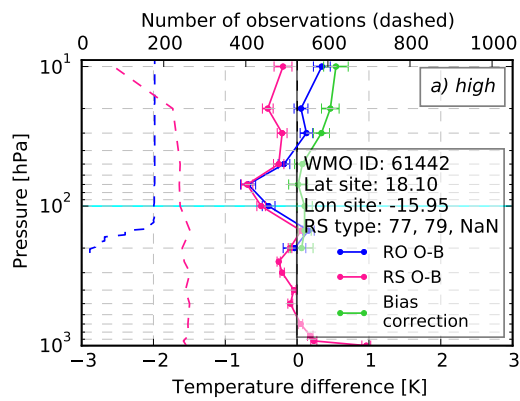
**Figure 1.436:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.437 WMO ID 61415



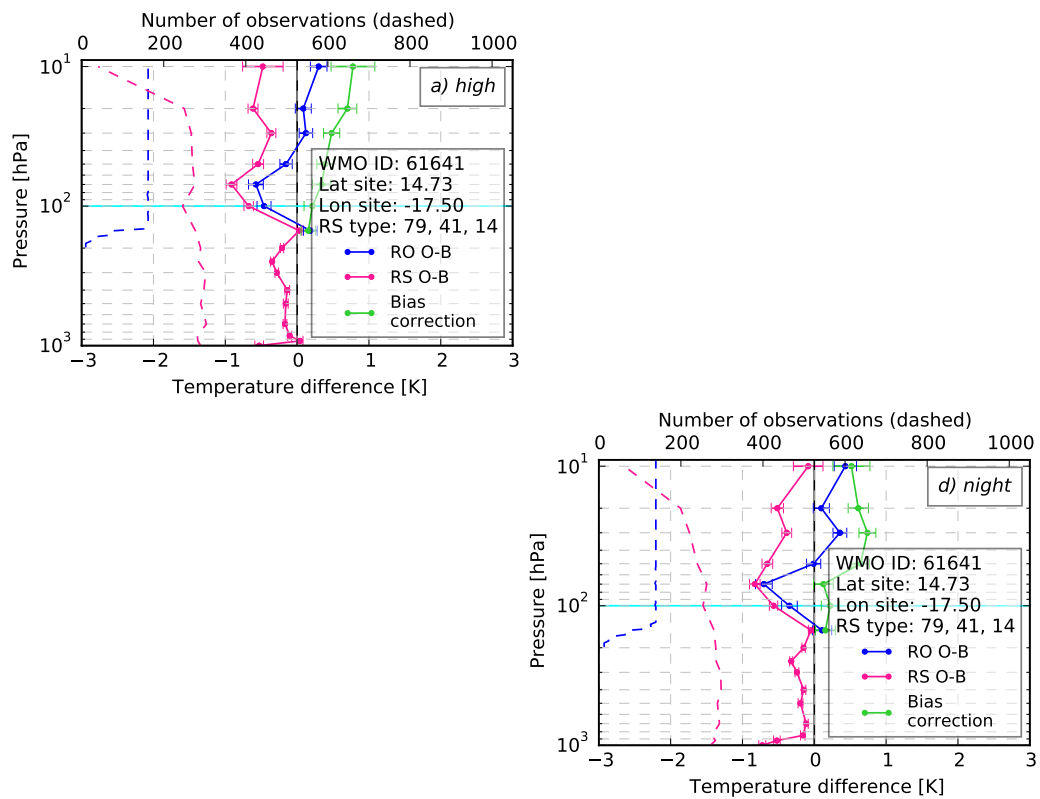
**Figure 1.437:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.438 WMO ID 61442



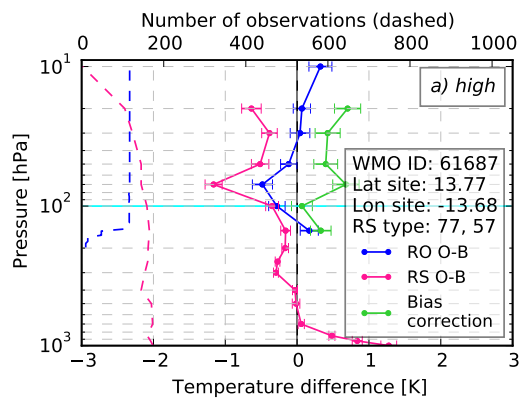
**Figure 1.438:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.439 WMO ID 61641



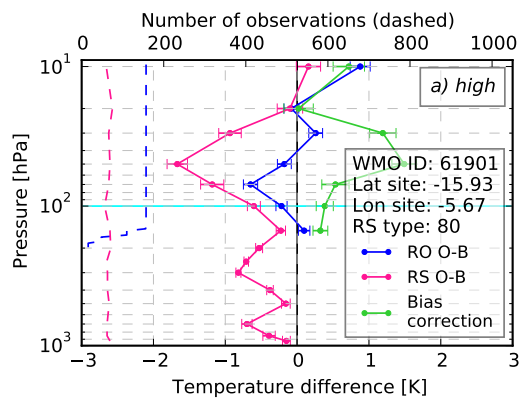
**Figure 1.439:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.440 WMO ID 61687



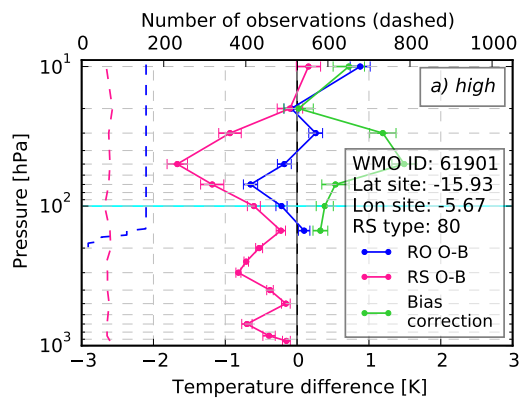
**Figure 1.440:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.441 WMO ID 61901



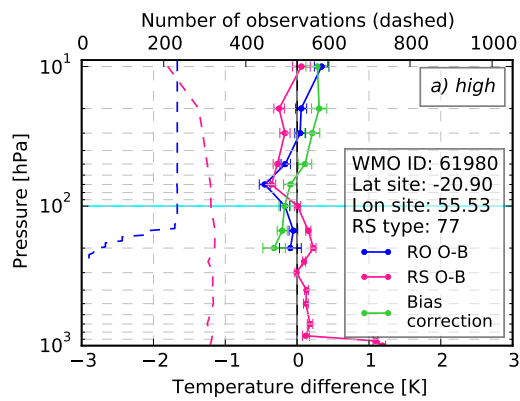
**Figure 1.441:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.442 WMO ID 61901



**Figure 1.442:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

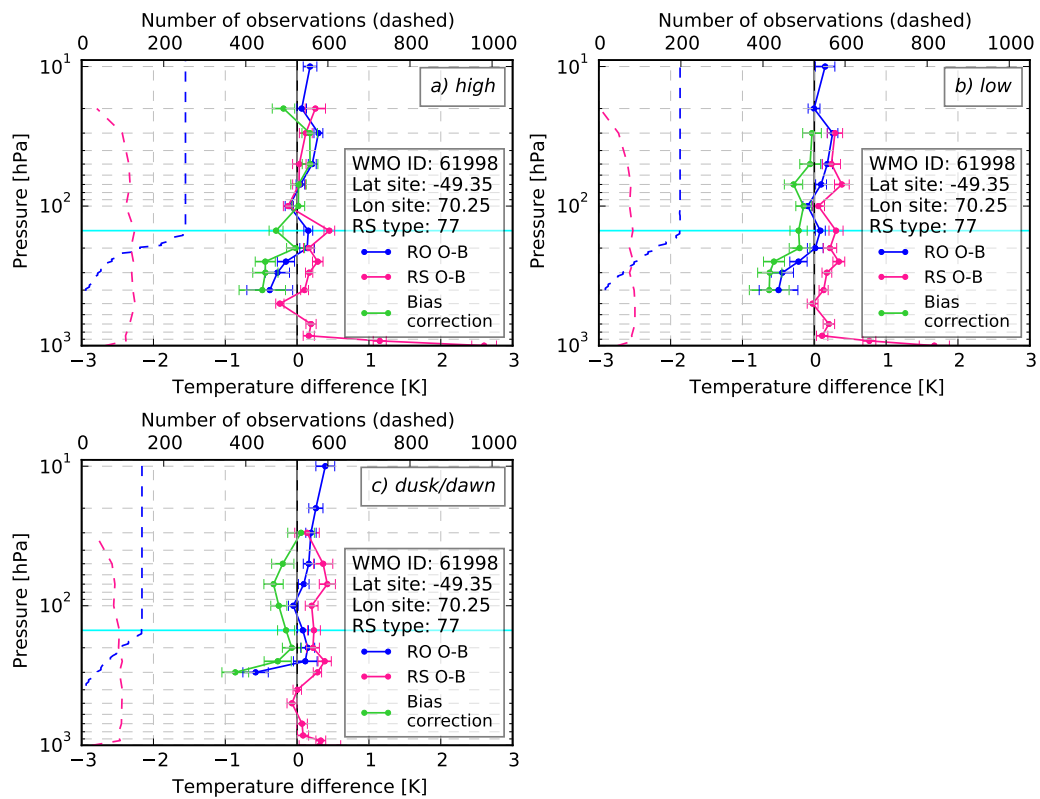
### 1.443 WMO ID 61980



**Figure 1.443:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

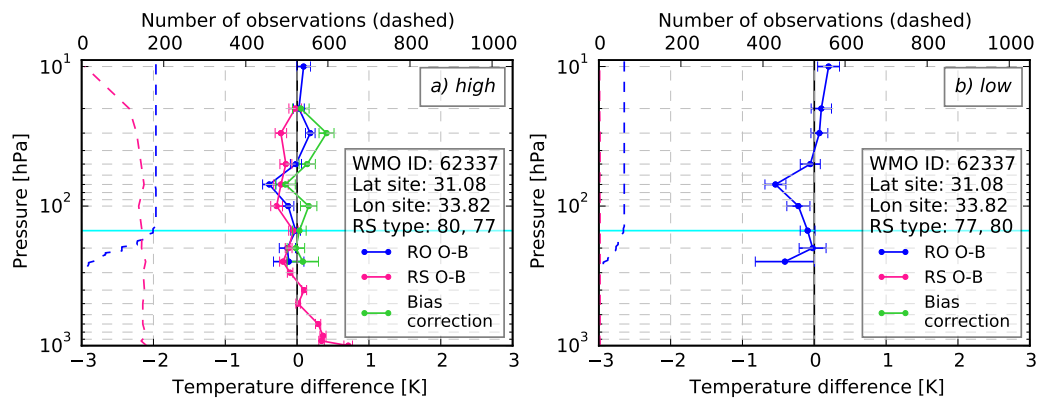


### 1.444 WMO ID 61998



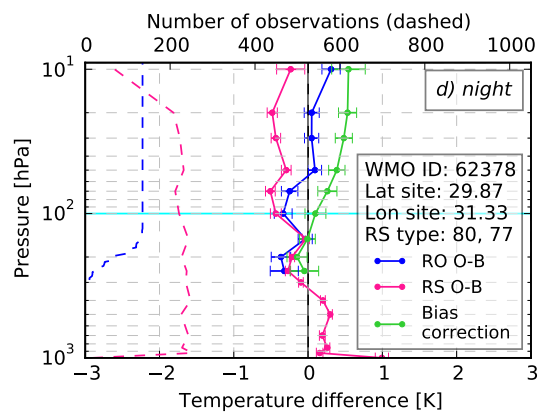
**Figure 1.444:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.445 WMO ID 62337



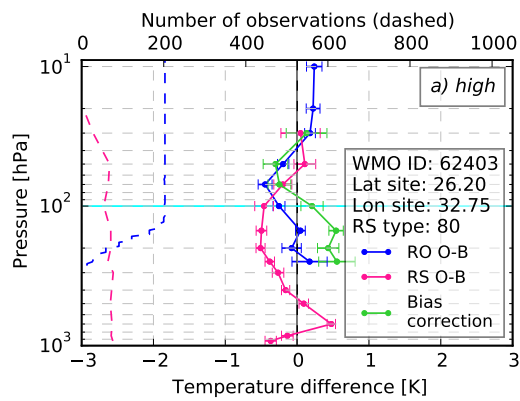
**Figure 1.445:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.446 WMO ID 62378



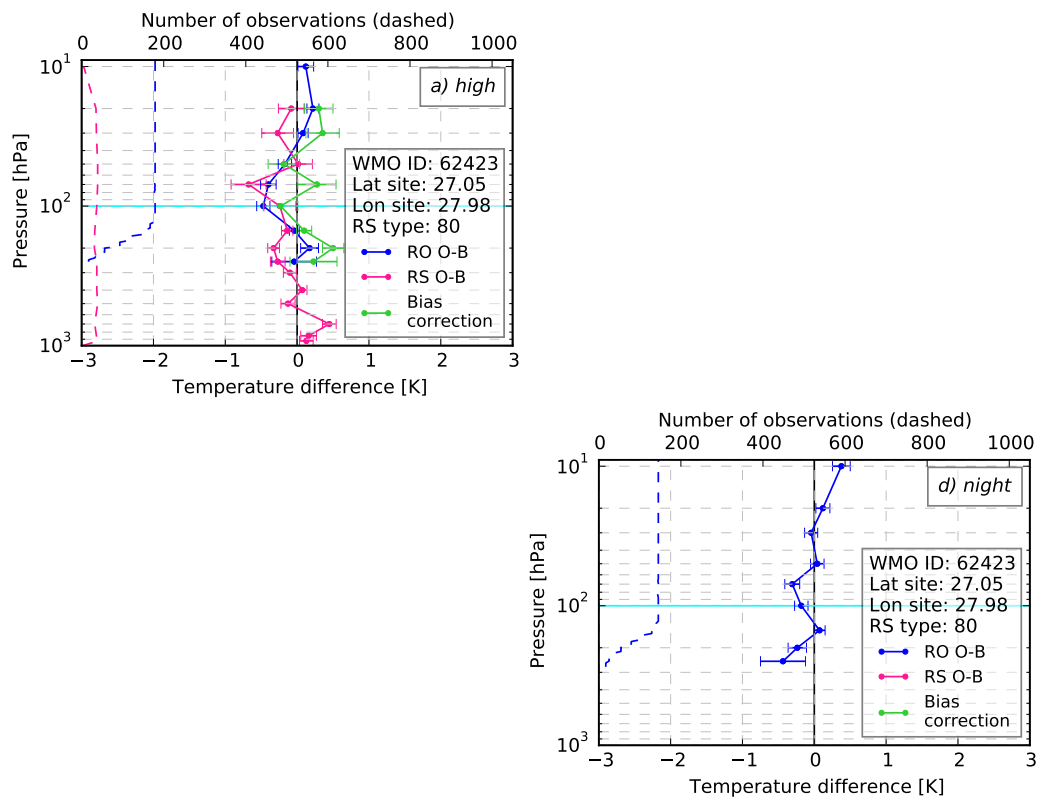
**Figure 1.446:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.447 WMO ID 62403



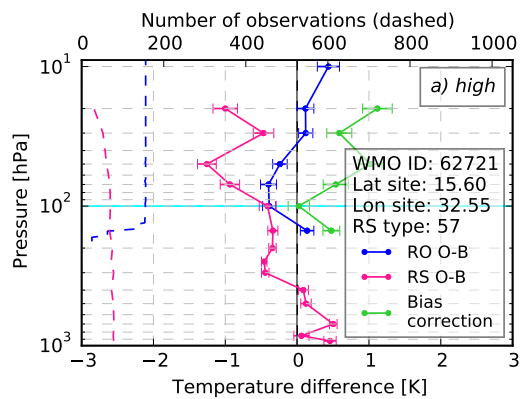
**Figure 1.447:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.448 WMO ID 62423



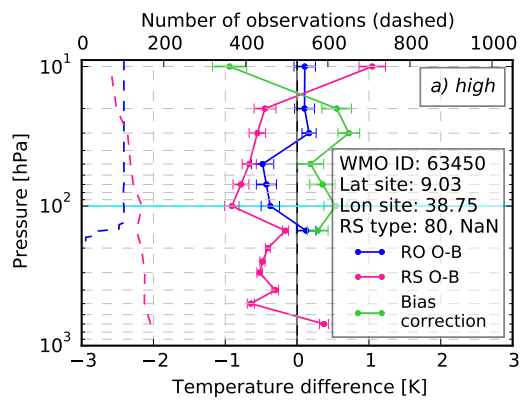
**Figure 1.448:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.449 WMO ID 62721



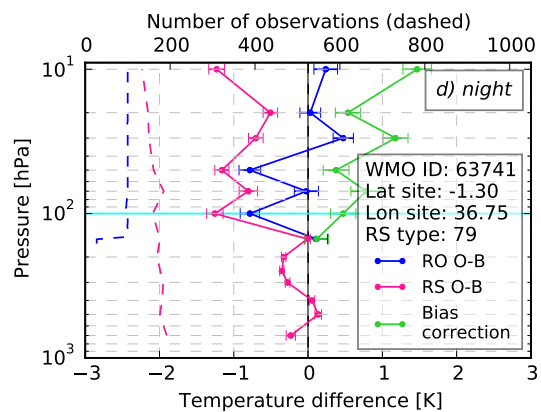
**Figure 1.449:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.450 WMO ID 63450



**Figure 1.450:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

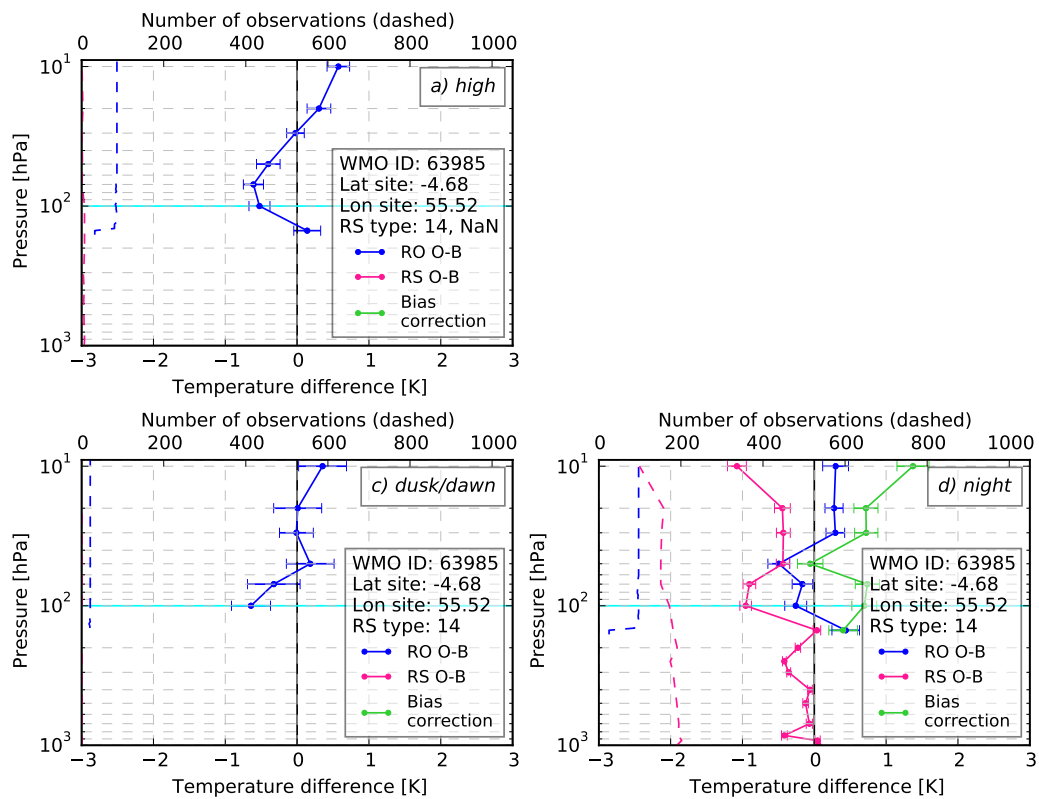
### 1.451 WMO ID 63741



**Figure 1.451:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

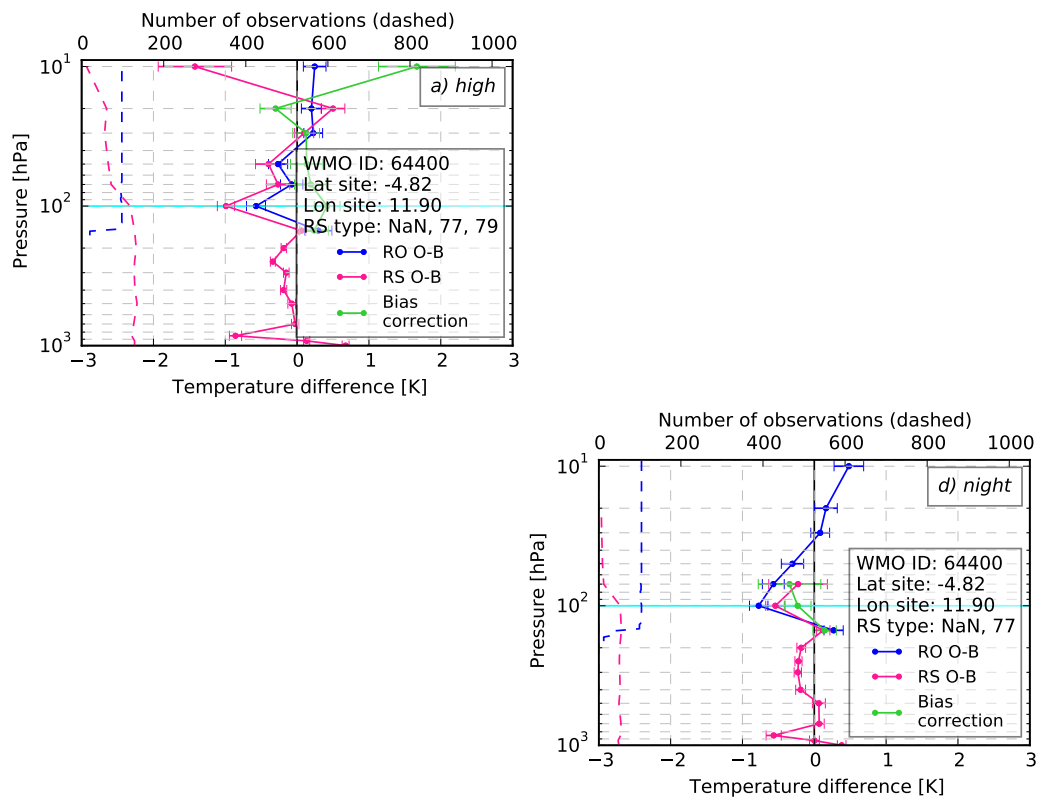


### 1.452 WMO ID 63985



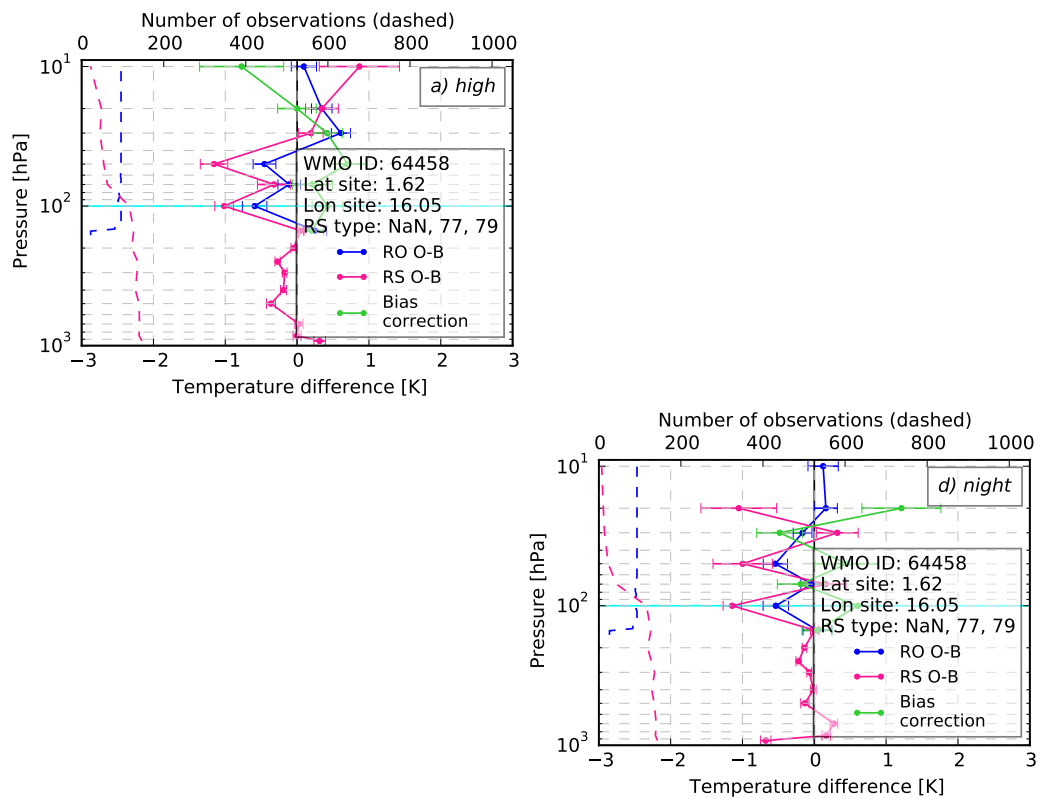
**Figure 1.452:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.453 WMO ID 64400



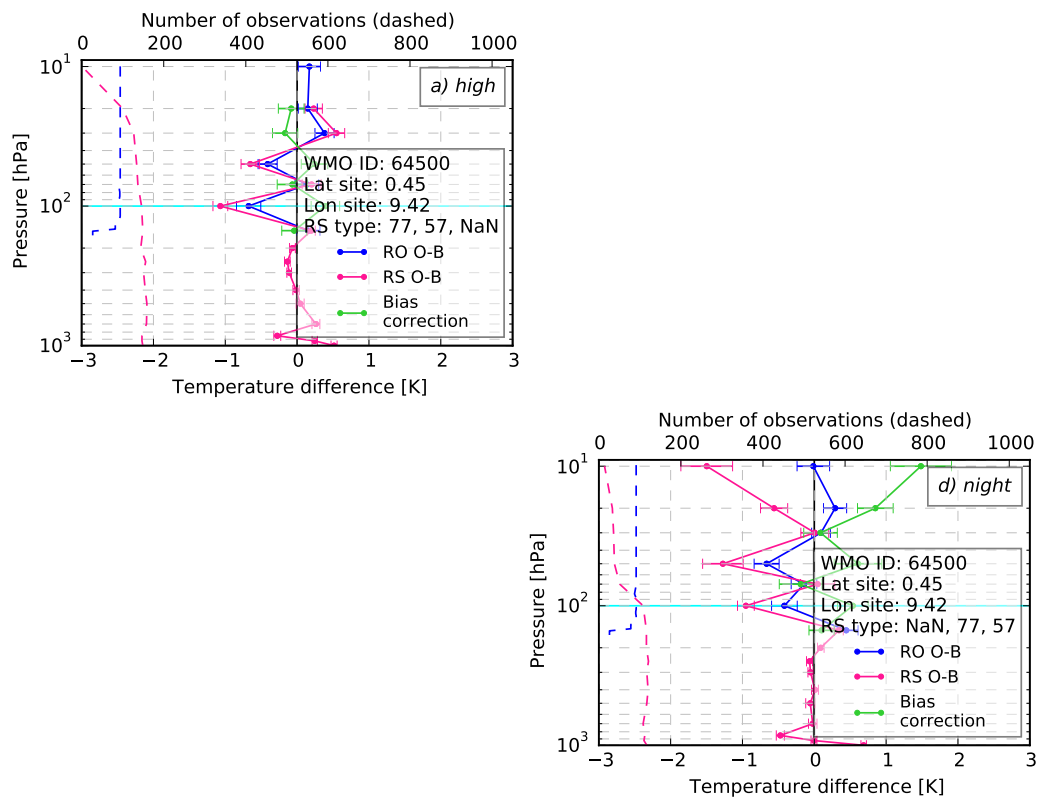
**Figure 1.453:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.454 WMO ID 64458



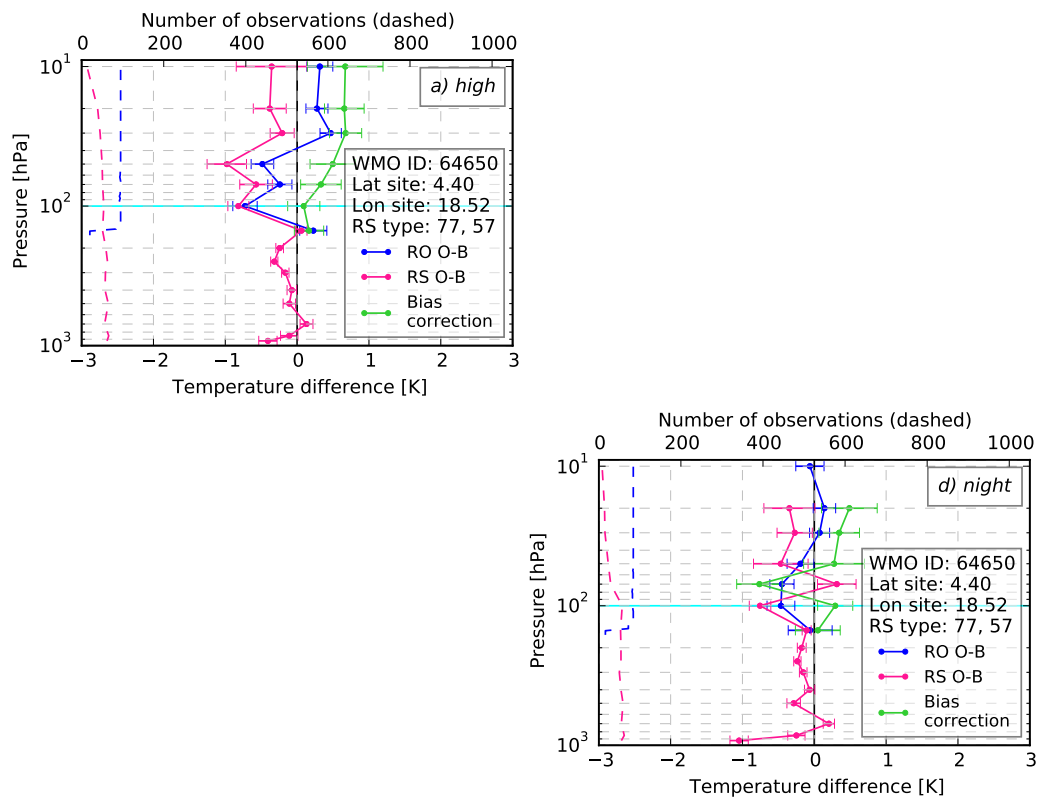
**Figure 1.454:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.455 WMO ID 64500



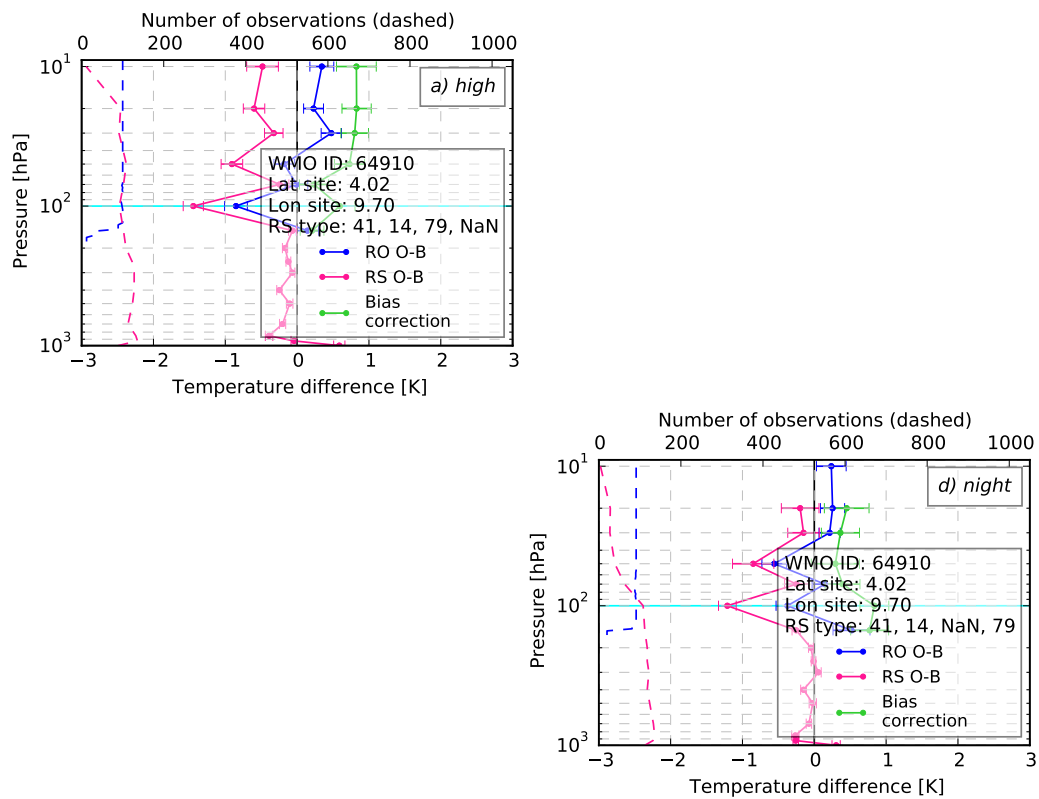
**Figure 1.455:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.456 WMO ID 64650



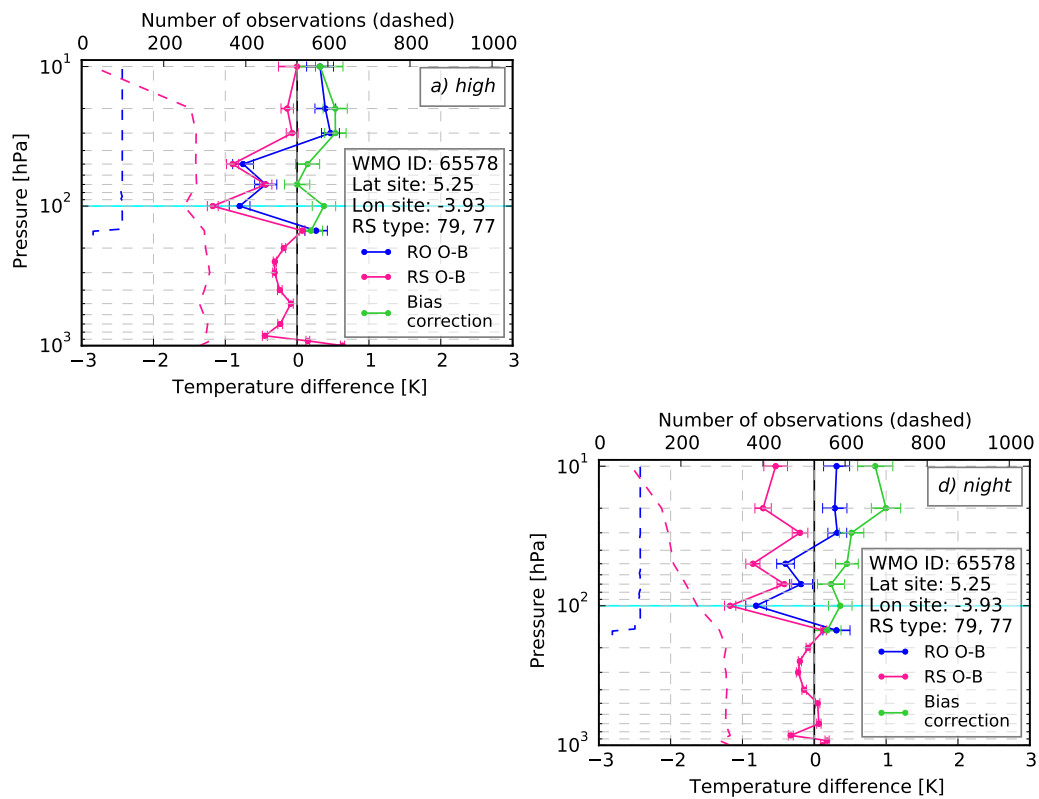
**Figure 1.456:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.457 WMO ID 64910



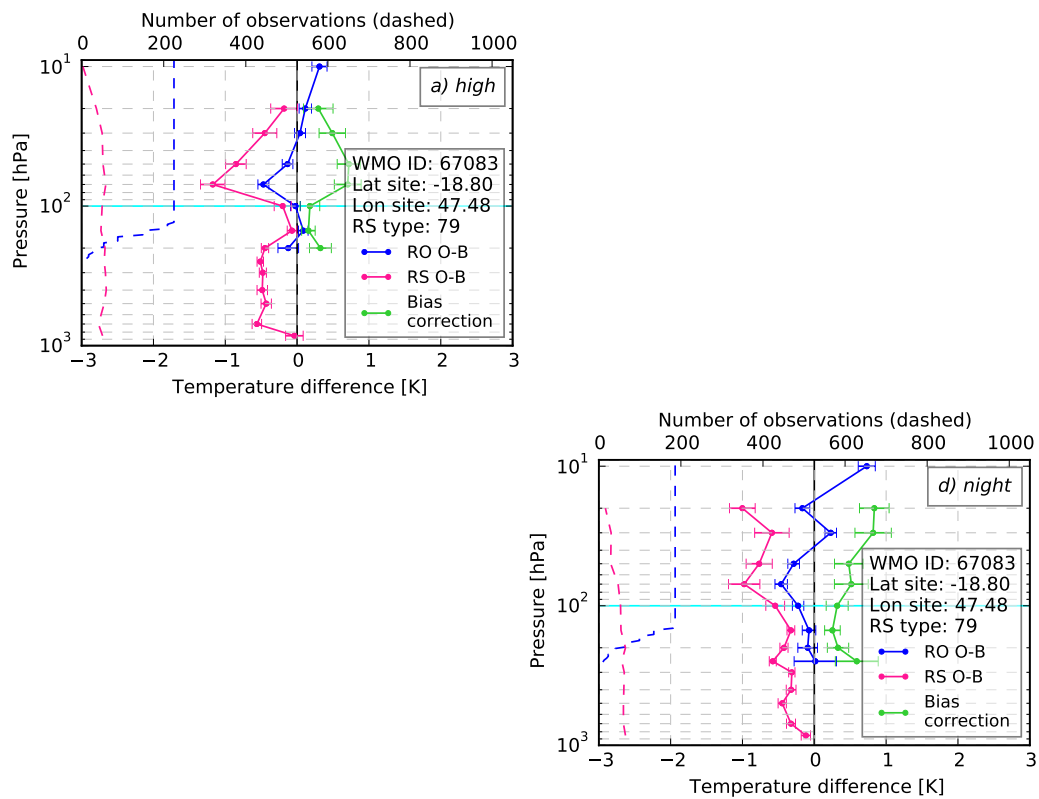
**Figure 1.457:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.458 WMO ID 65578



**Figure 1.458:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

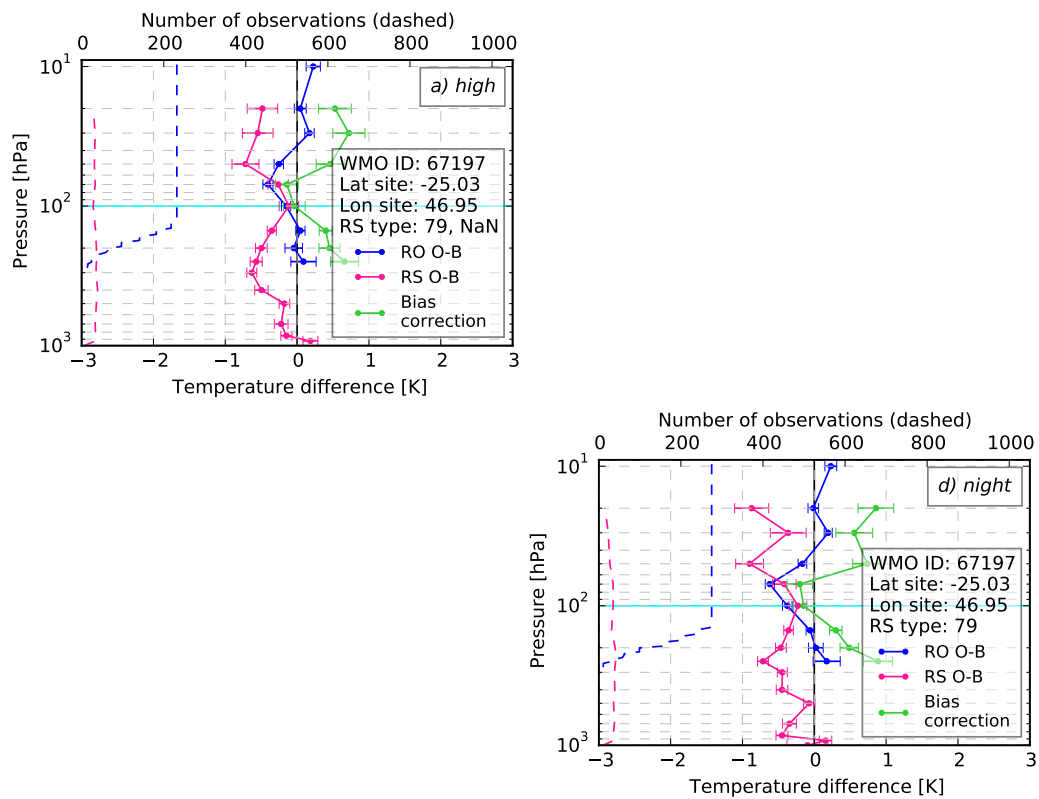
### 1.459 WMO ID 67083



**Figure 1.459:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

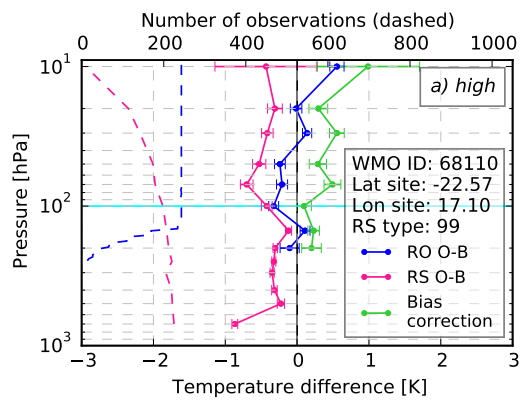


### 1.460 WMO ID 67197



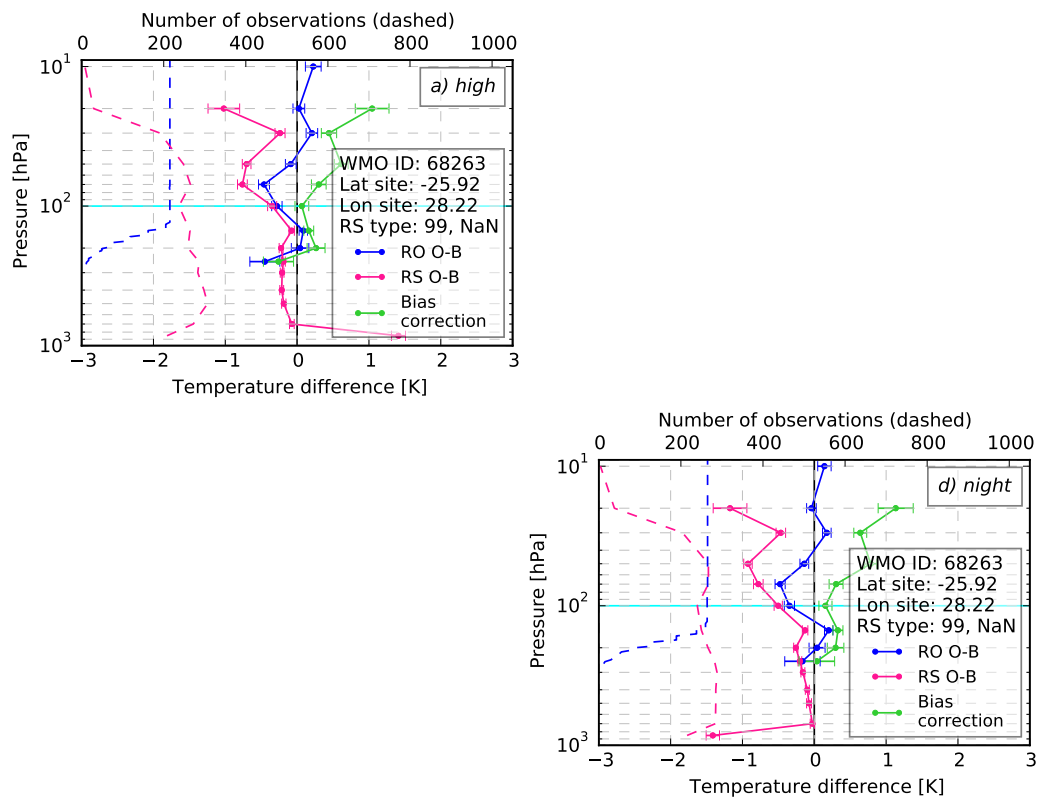
**Figure 1.460:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.461 WMO ID 68110



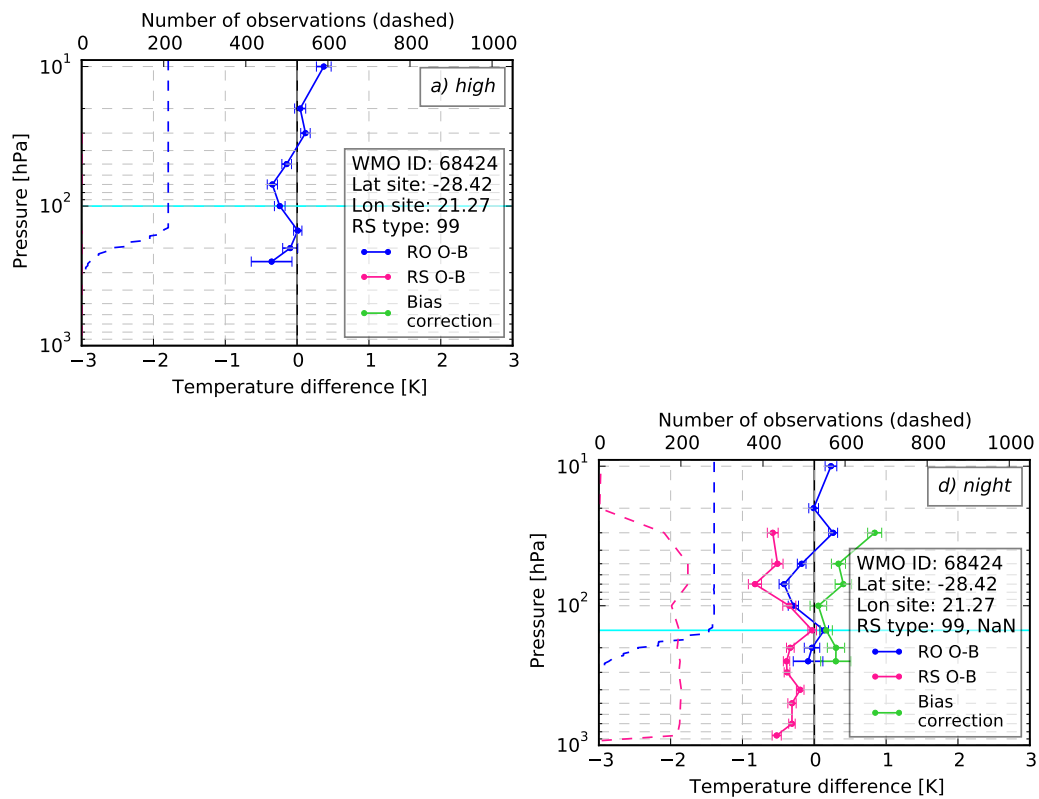
**Figure 1.461:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.462 WMO ID 68263



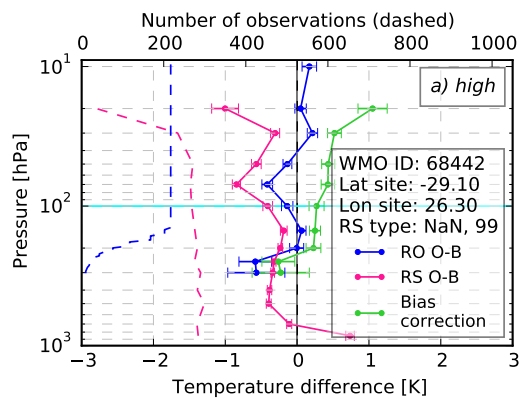
**Figure 1.462:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.463 WMO ID 68424



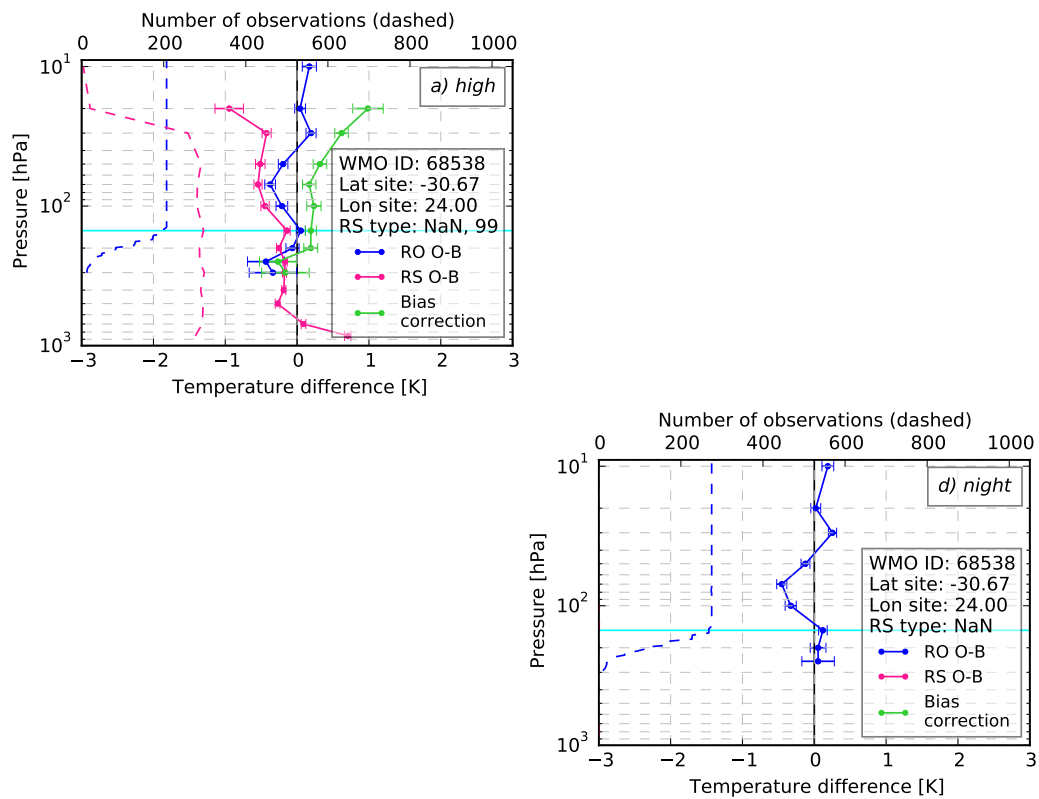
**Figure 1.463:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.464 WMO ID 68442



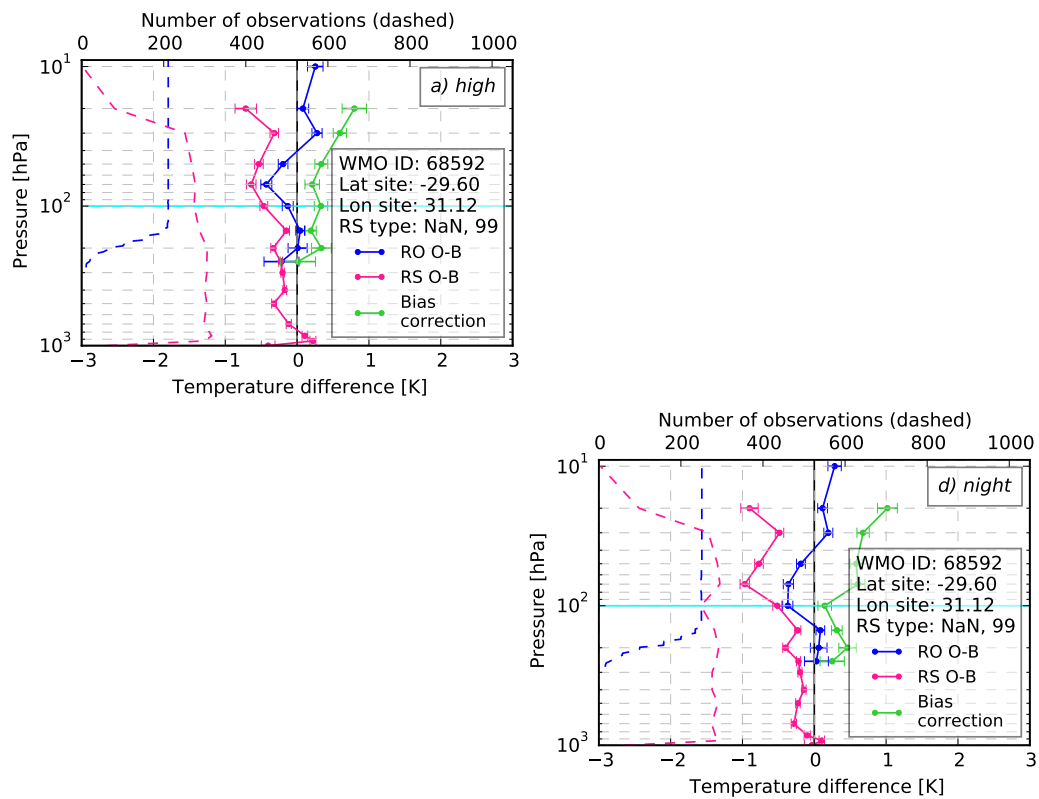
**Figure 1.464:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.465 WMO ID 68538



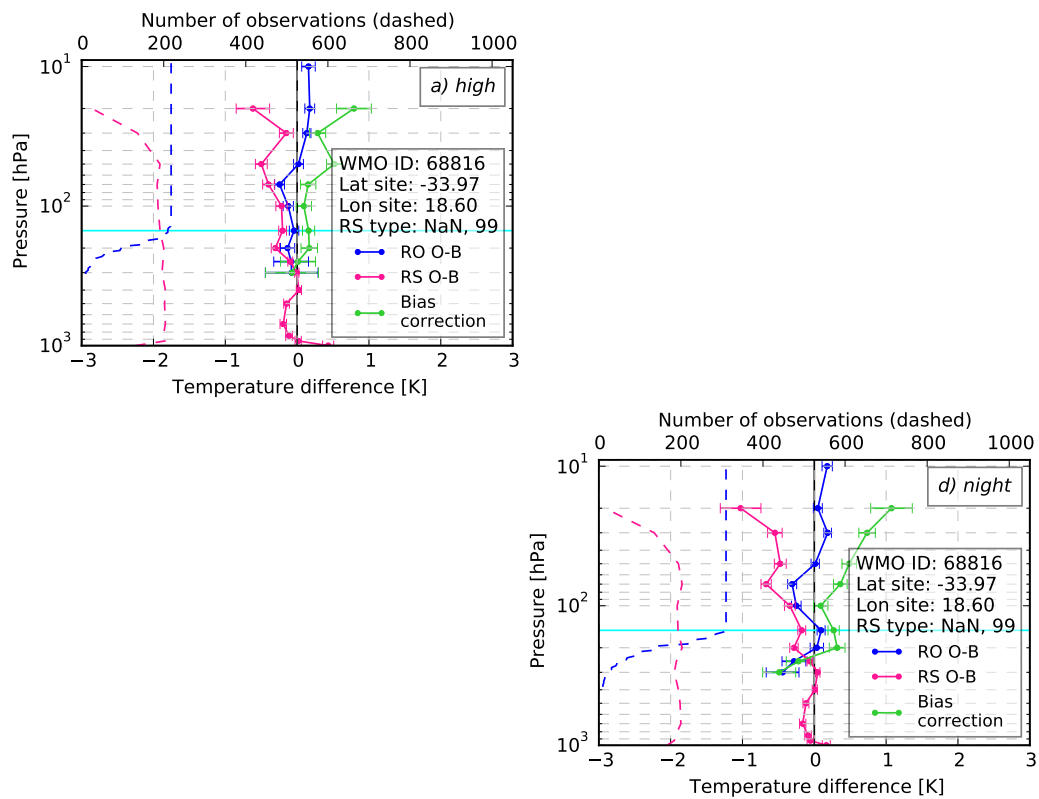
**Figure 1.465:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.466 WMO ID 68592



**Figure 1.466:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

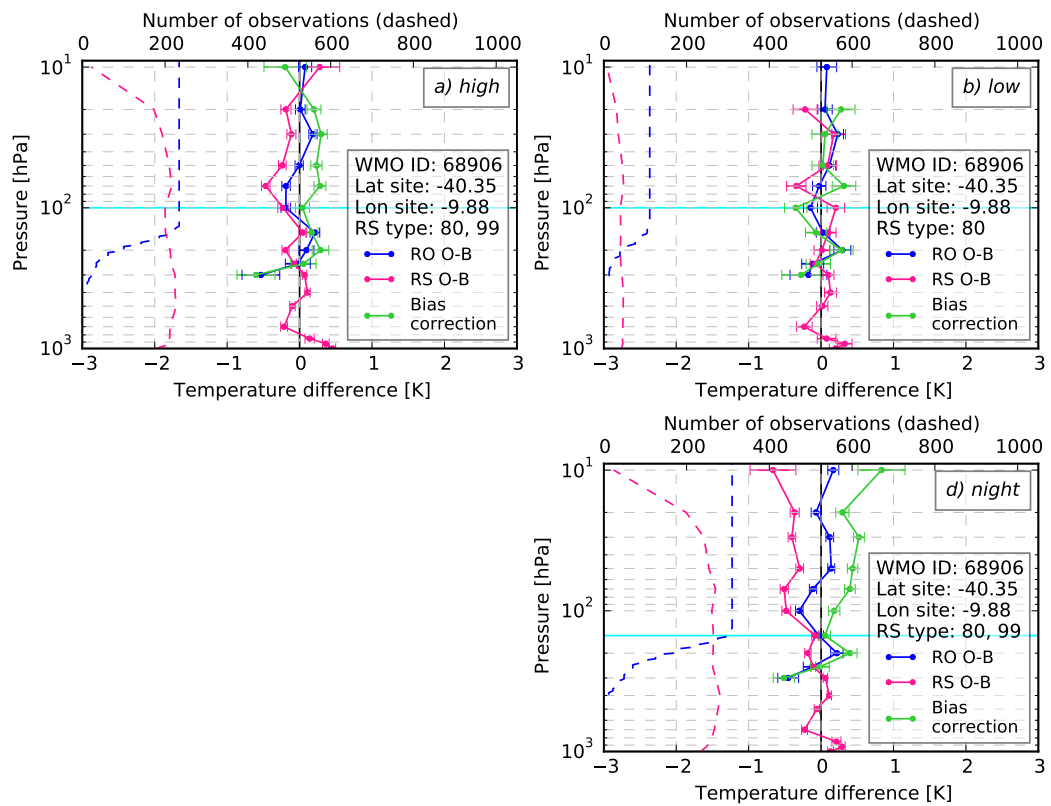
### 1.467 WMO ID 68816



**Figure 1.467:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

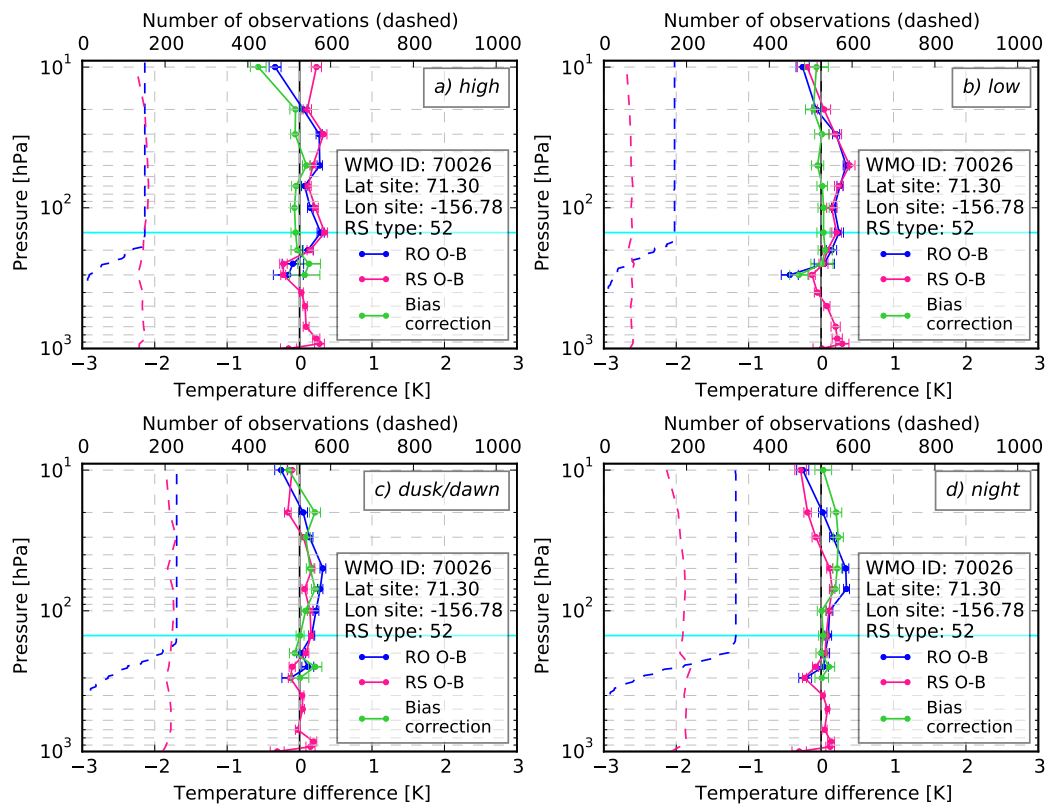


### 1.468 WMO ID 68906



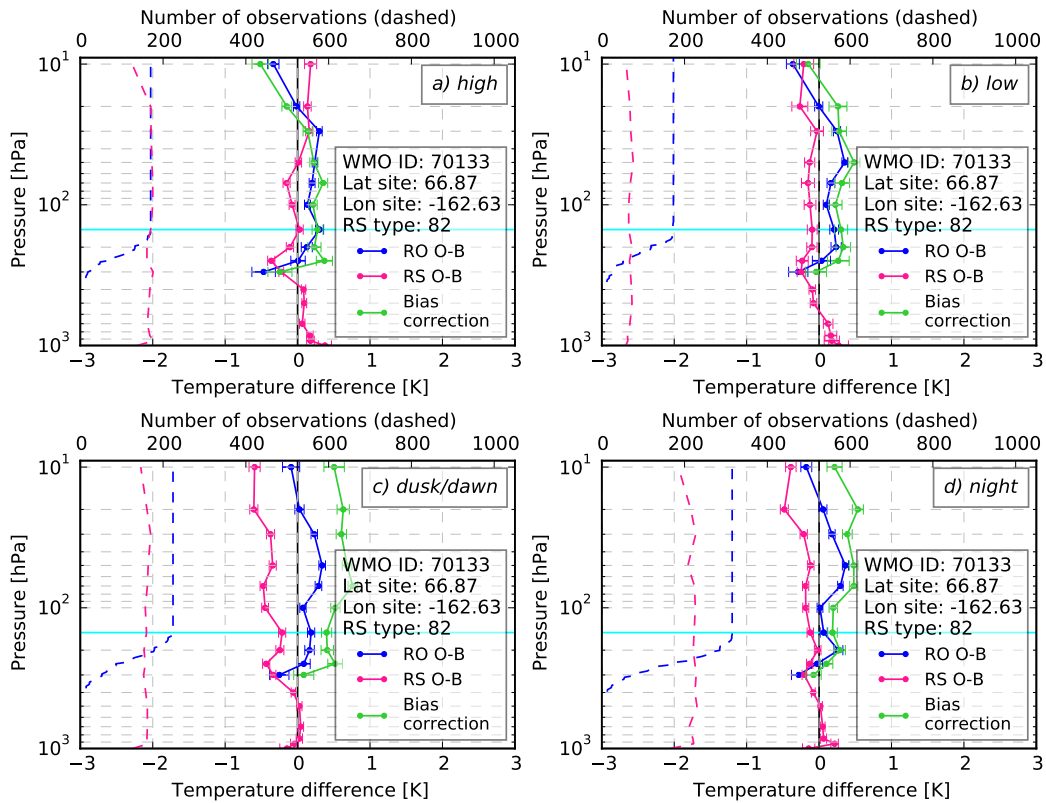
**Figure 1.468:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.469 WMO ID 70026



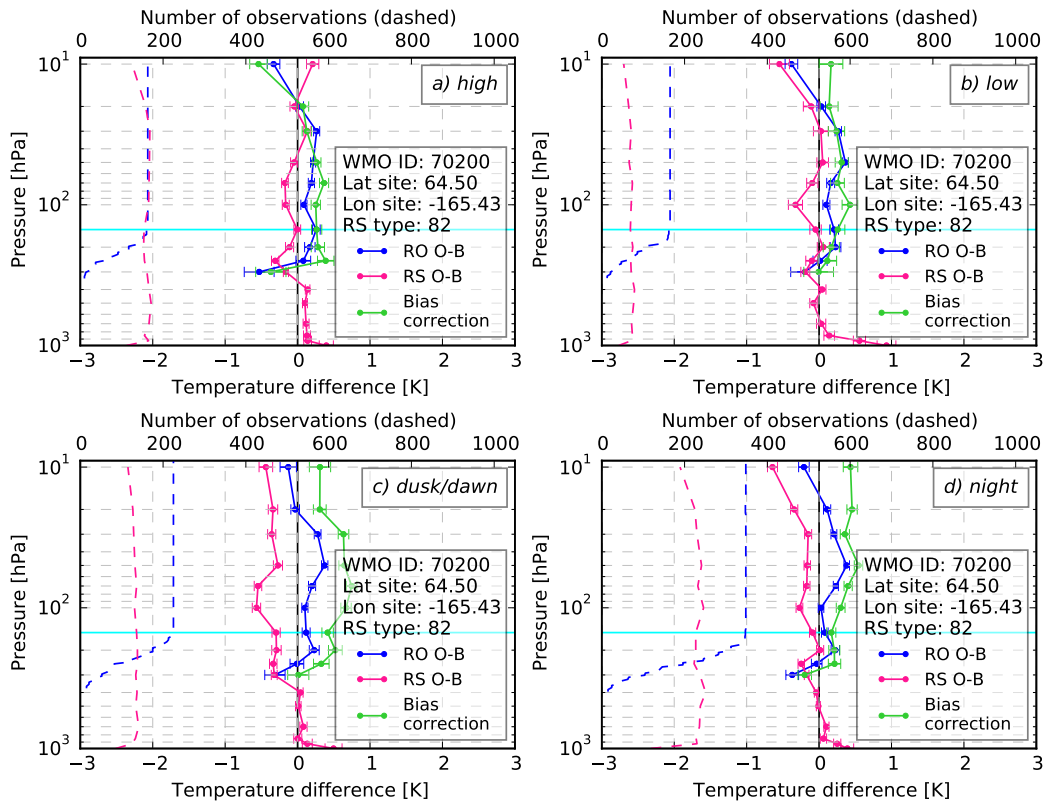
**Figure 1.469:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.470 WMO ID 70133



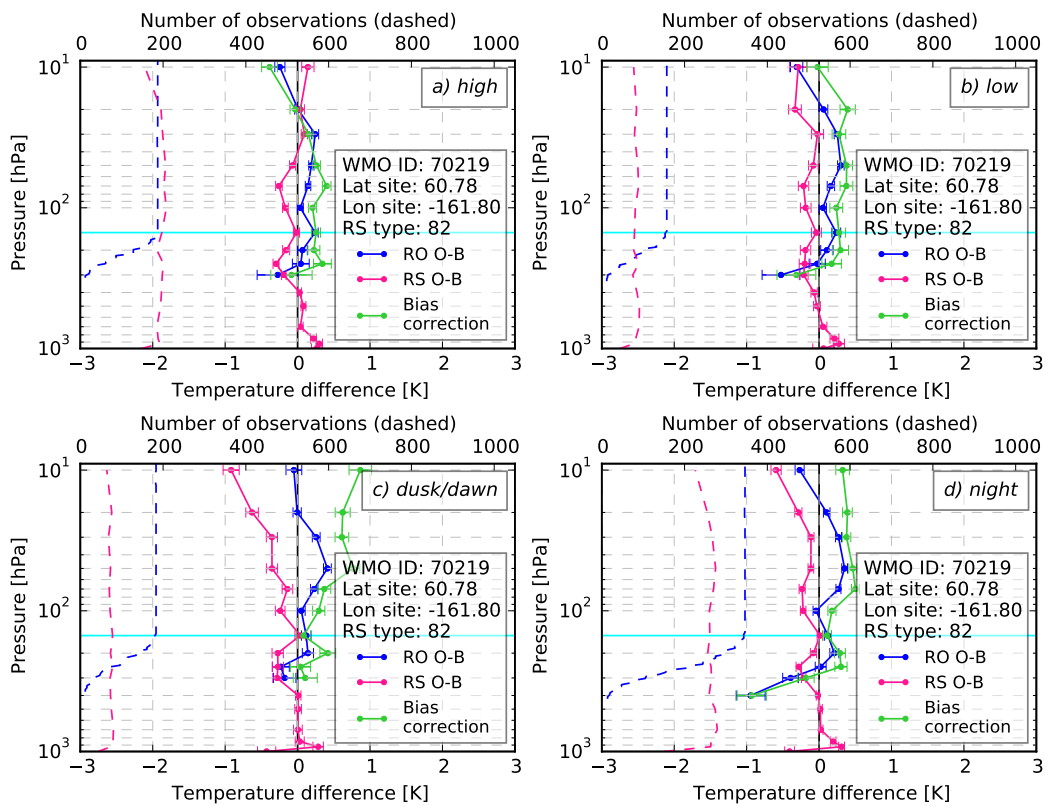
**Figure 1.470:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.471 WMO ID 70200



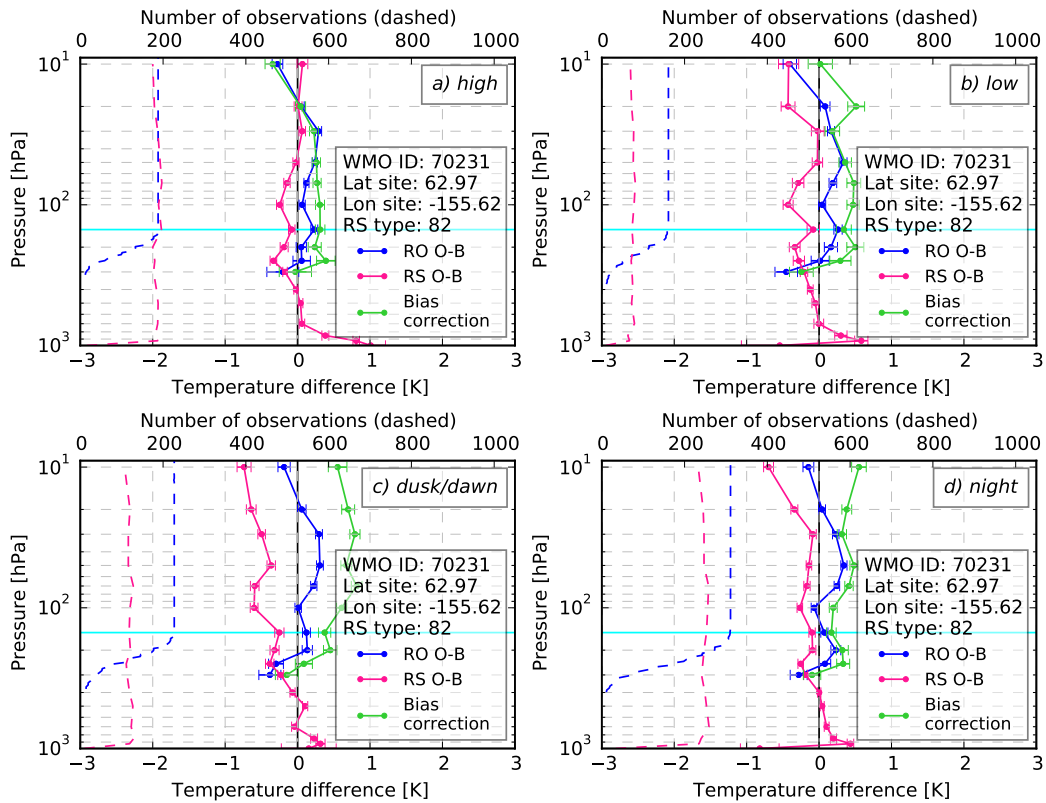
**Figure 1.471:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.472 WMO ID 70219



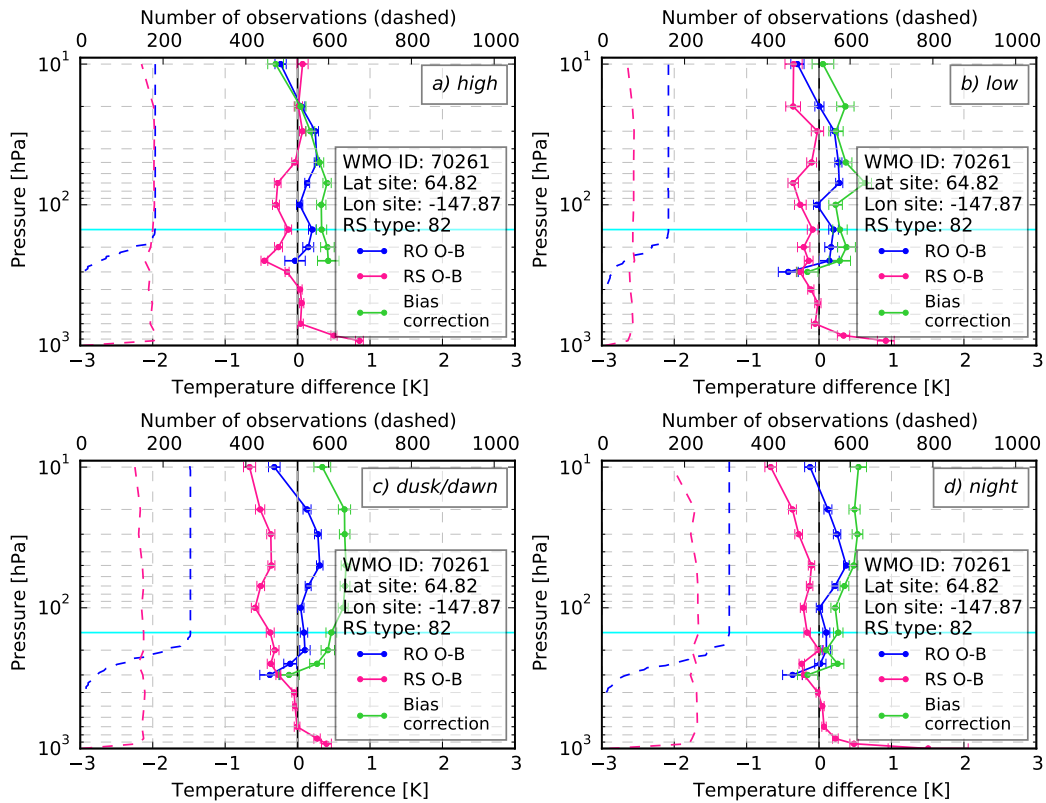
**Figure 1.472:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.473 WMO ID 70231



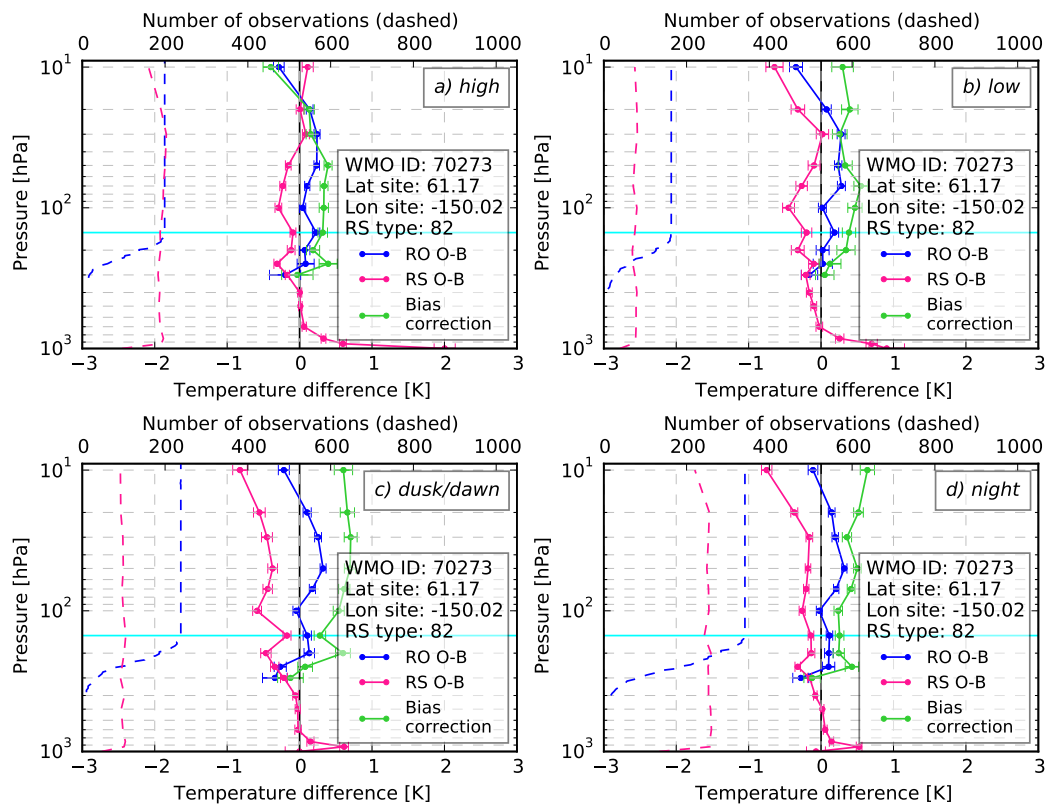
**Figure 1.473:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.474 WMO ID 70261



**Figure 1.474:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

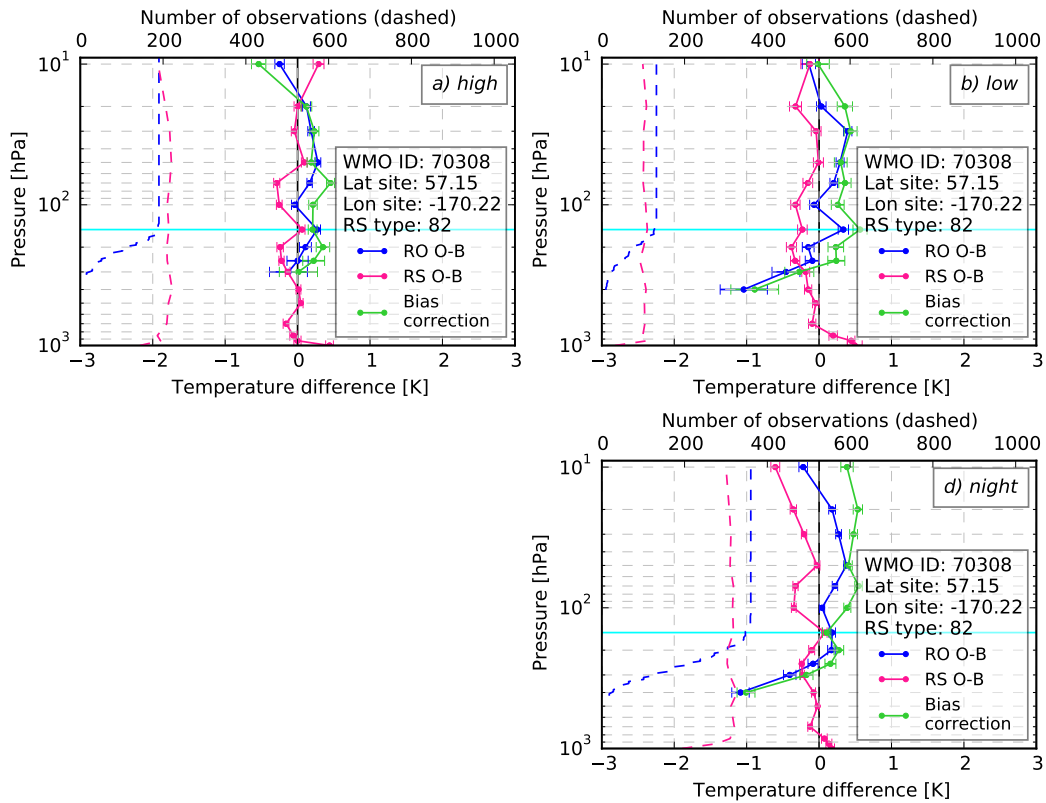
### 1.475 WMO ID 70273



**Figure 1.475:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

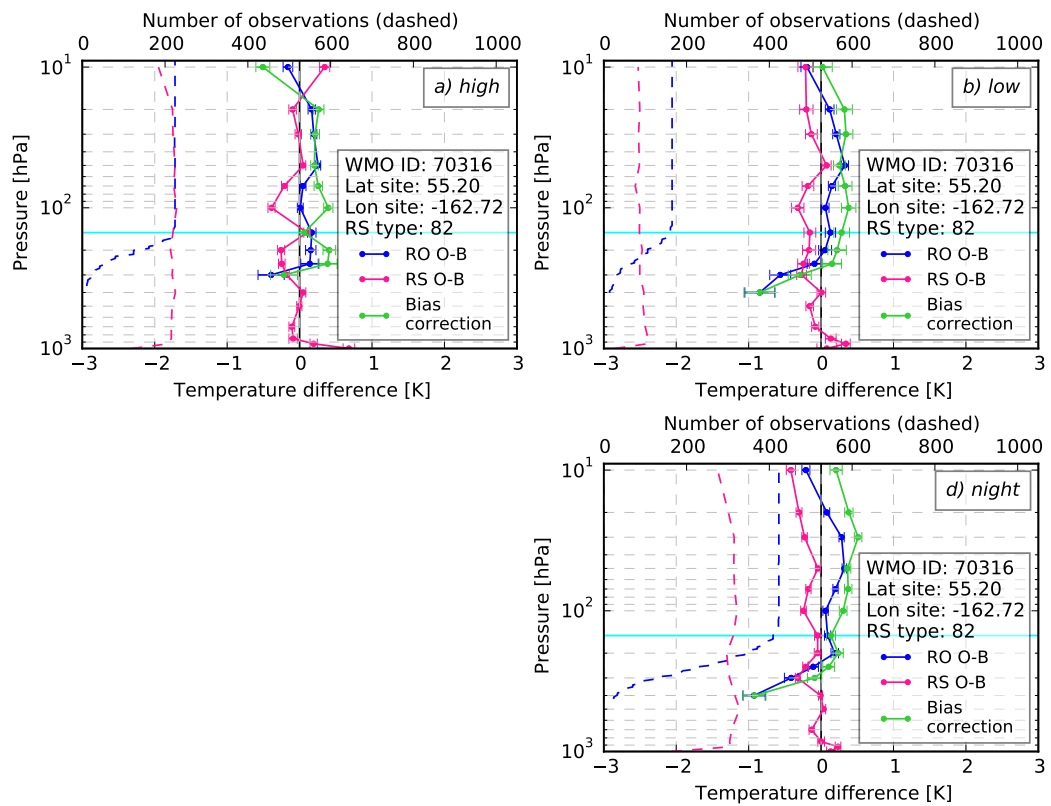


### 1.476 WMO ID 70308



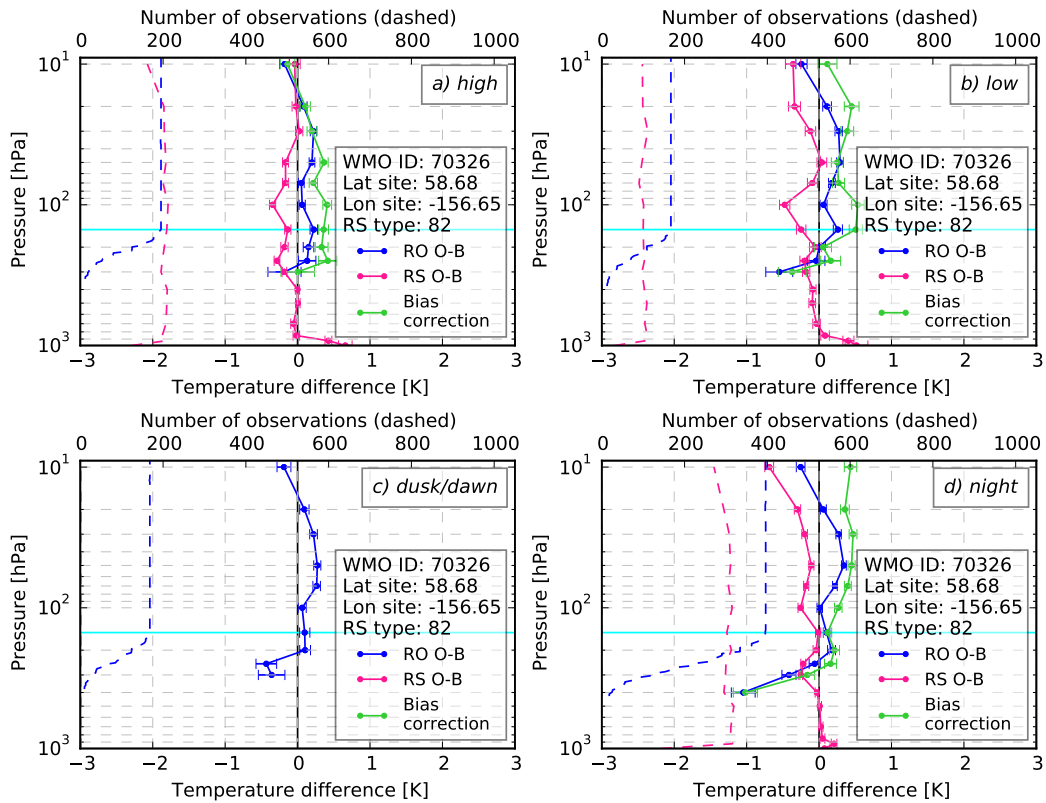
**Figure 1.476:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.477 WMO ID 70316



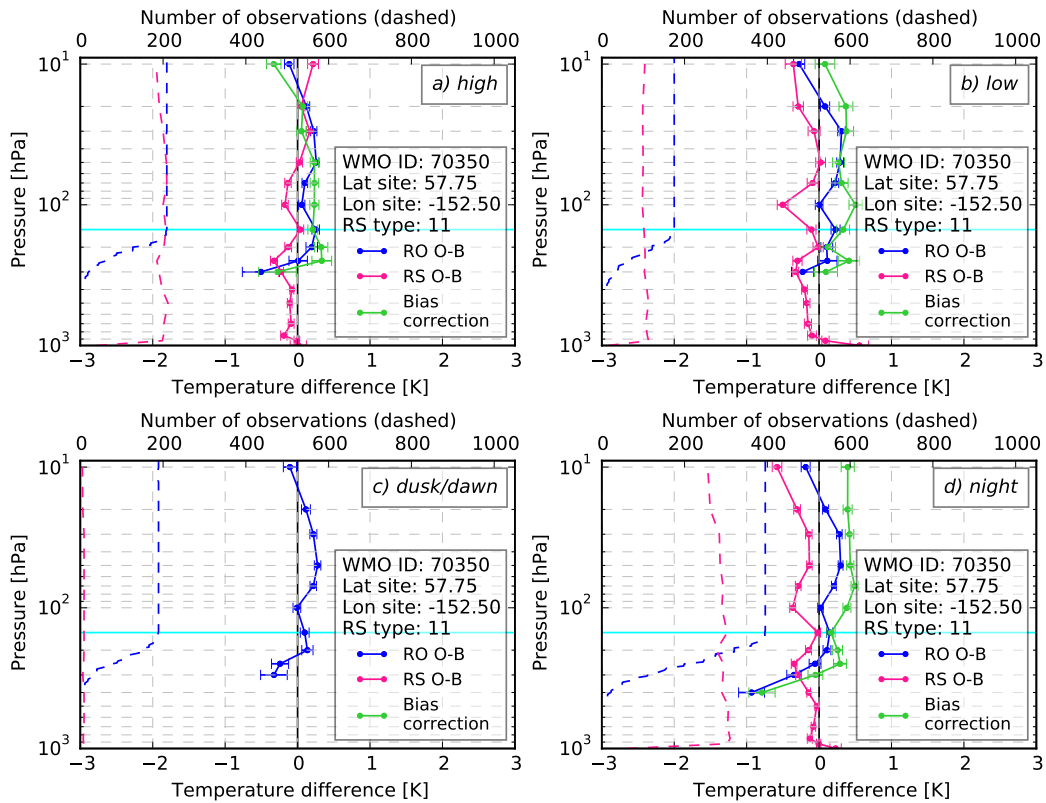
**Figure 1.477:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.478 WMO ID 70326



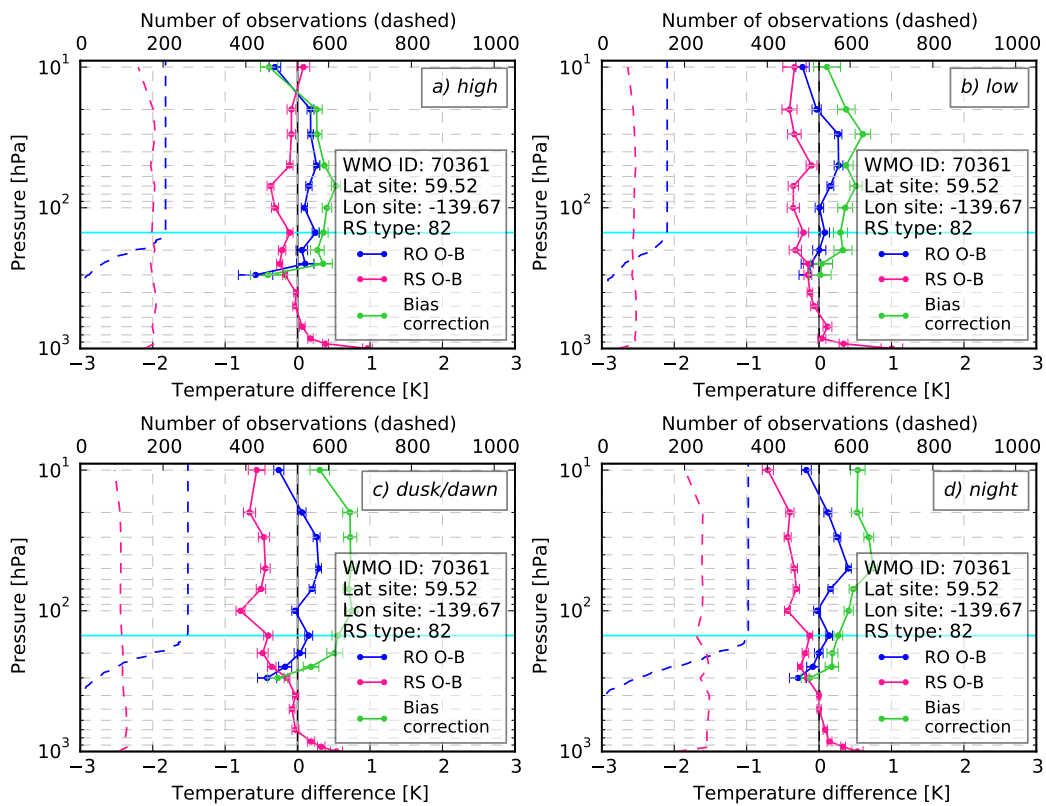
**Figure 1.478:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.479 WMO ID 70350



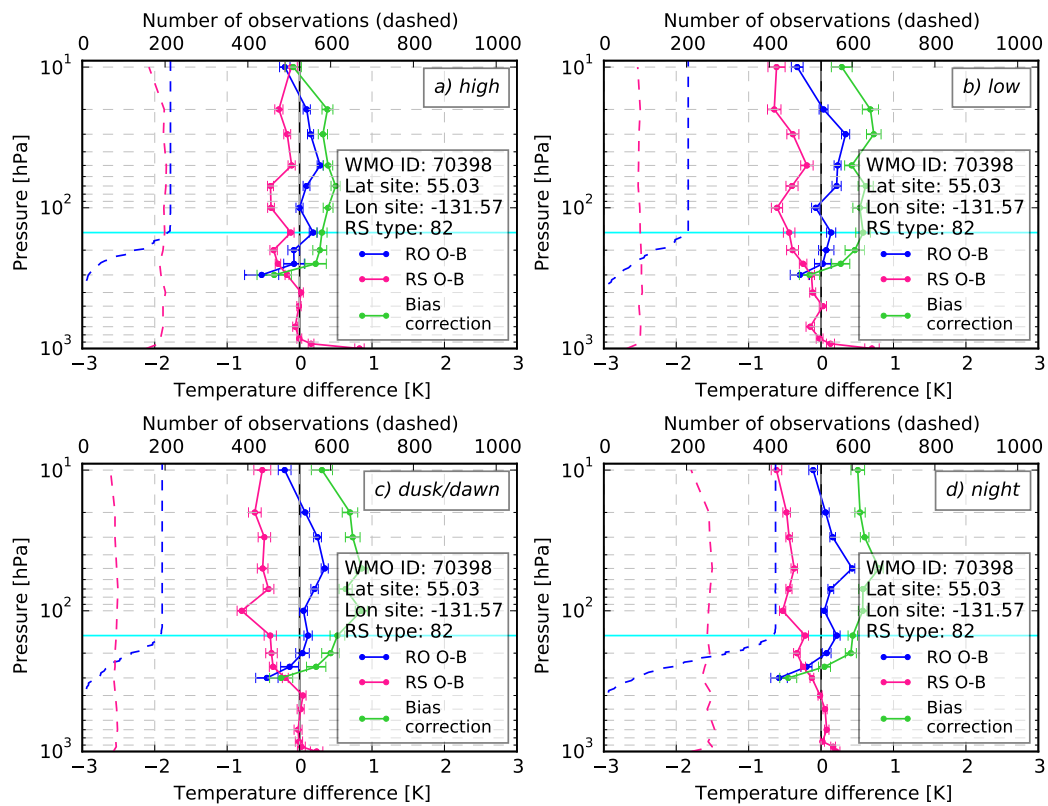
**Figure 1.479:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.480 WMO ID 70361



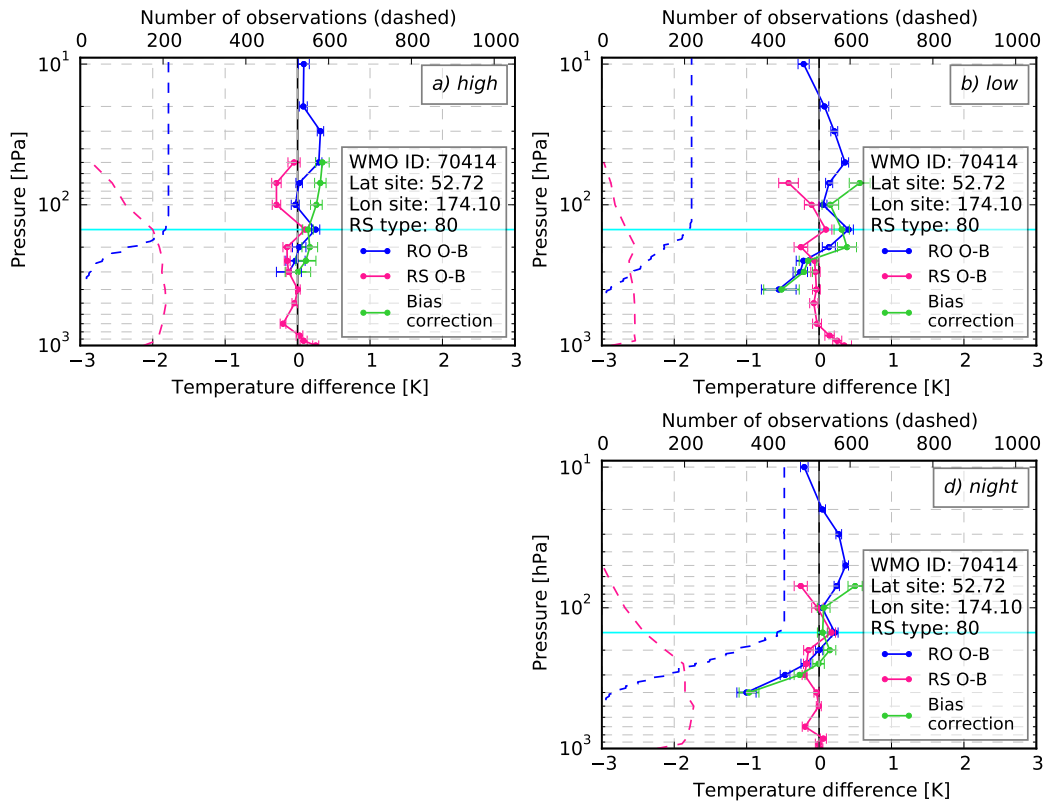
**Figure 1.480:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.481 WMO ID 70398



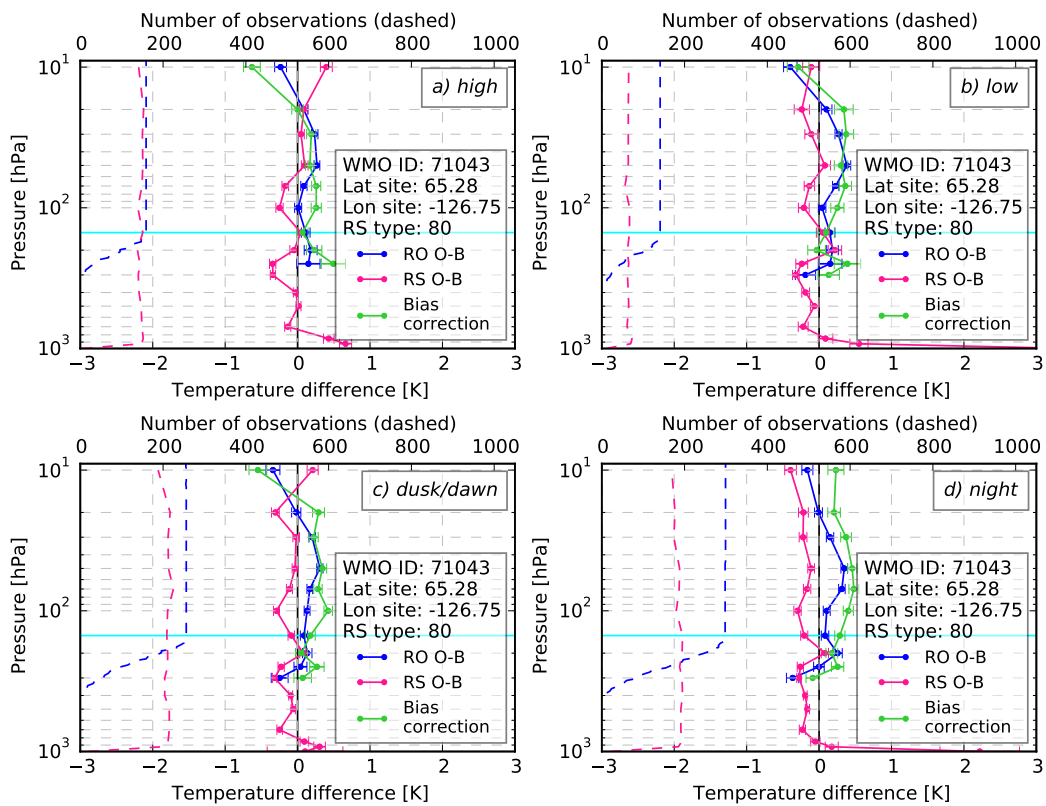
**Figure 1.481:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.482 WMO ID 70414



**Figure 1.482:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

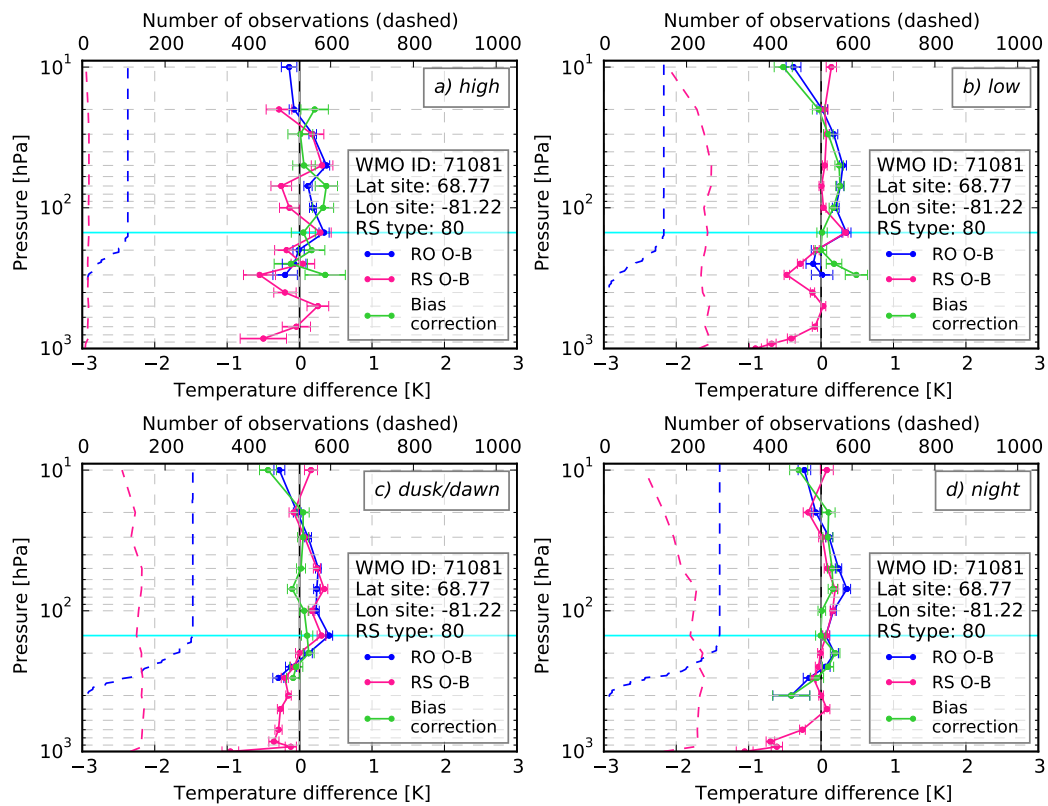
### 1.483 WMO ID 71043



**Figure 1.483:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

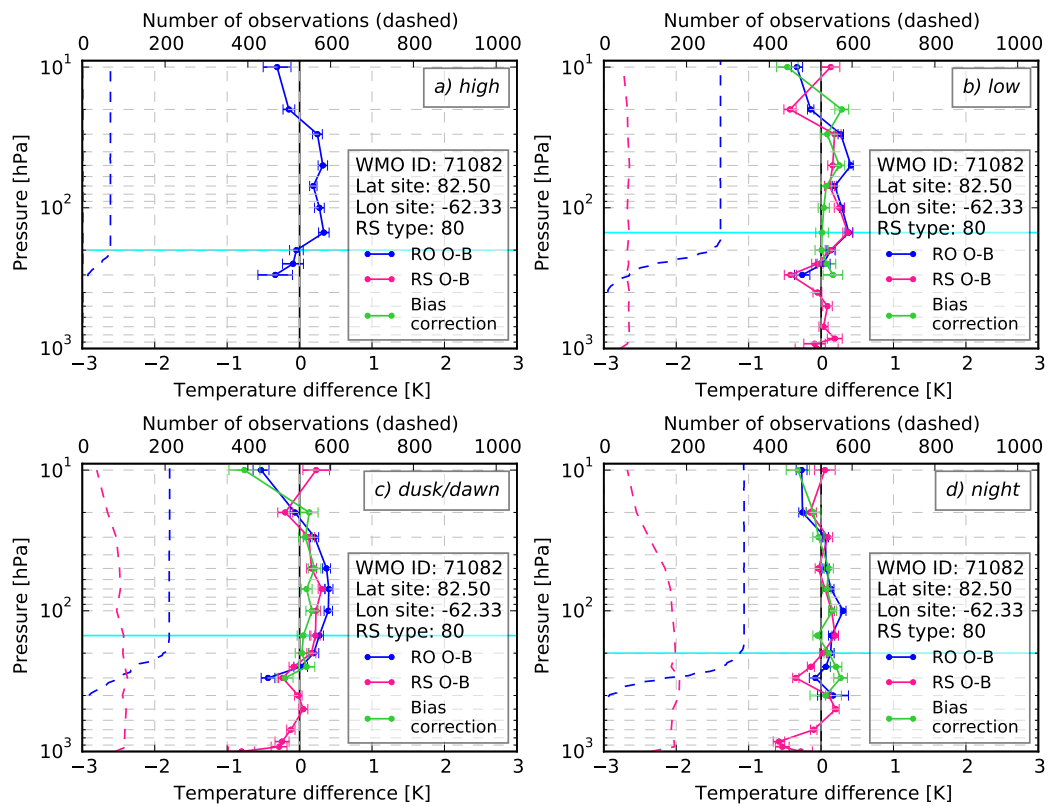


### 1.484 WMO ID 71081



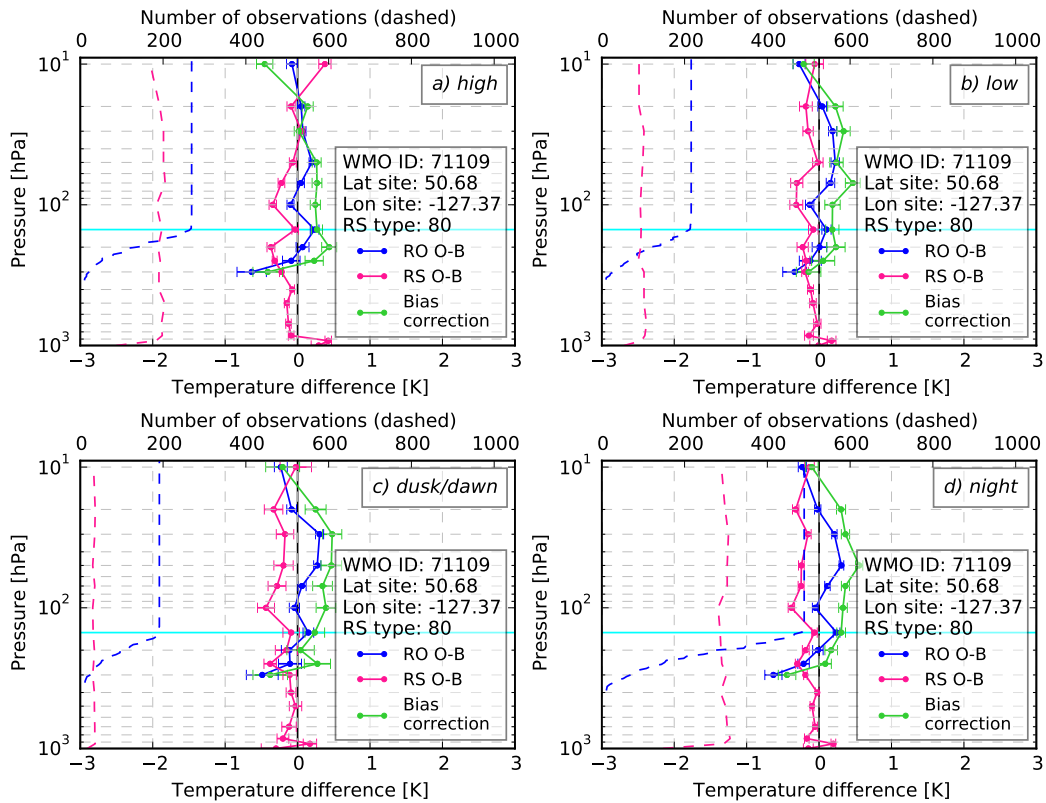
**Figure 1.484:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.485 WMO ID 71082



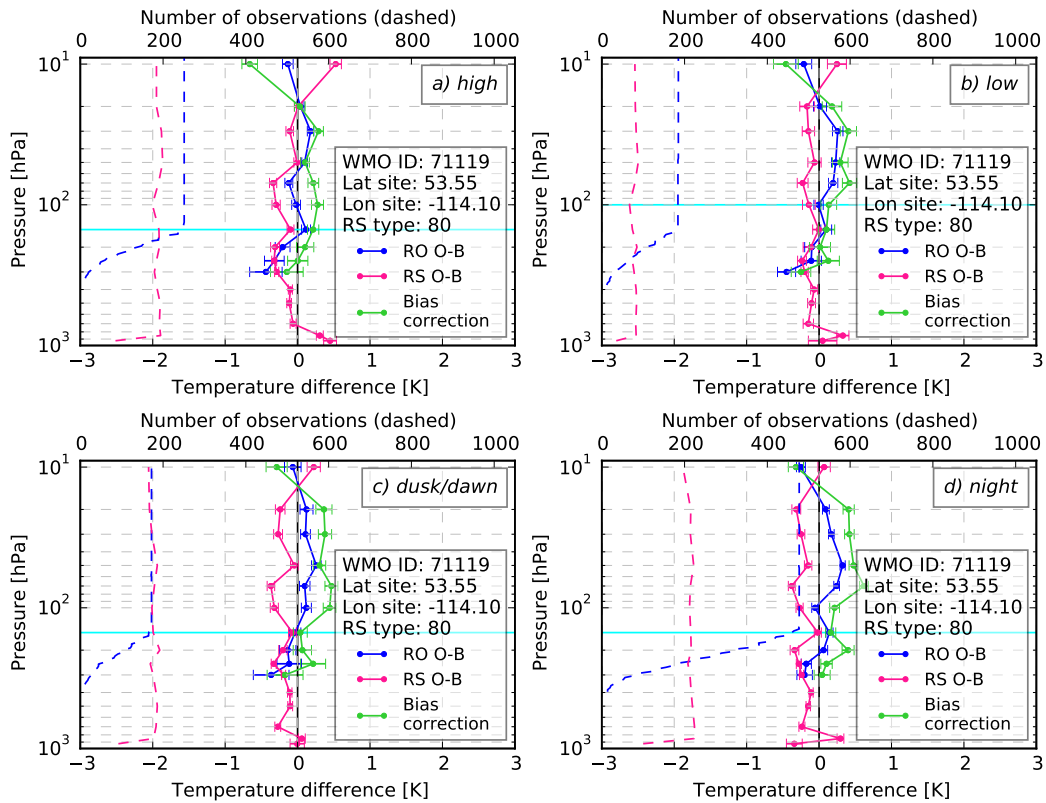
**Figure 1.485:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.486 WMO ID 71109



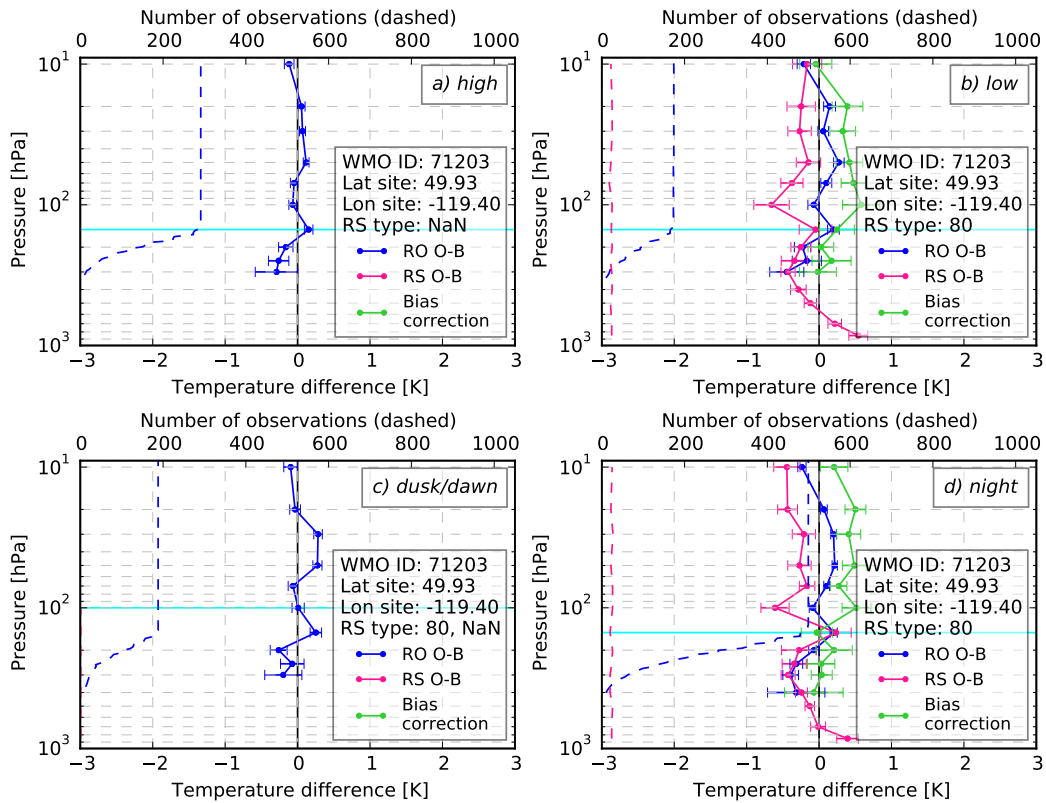
**Figure 1.486:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.487 WMO ID 71119



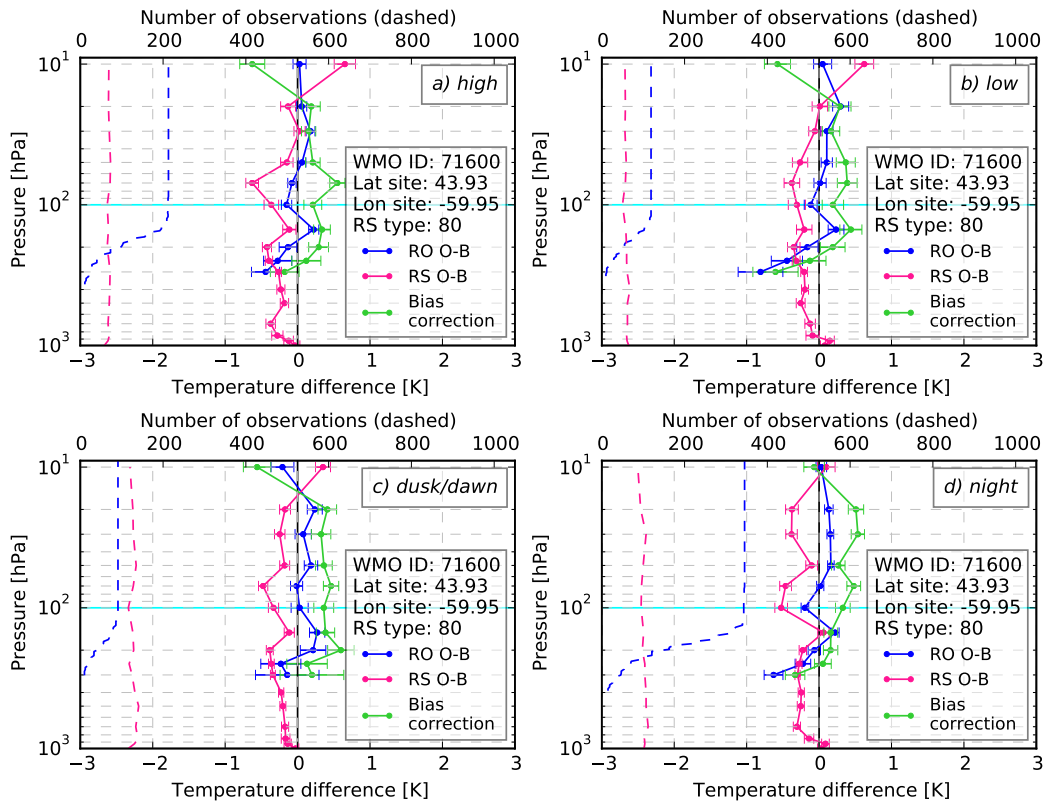
**Figure 1.487:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.488 WMO ID 71203



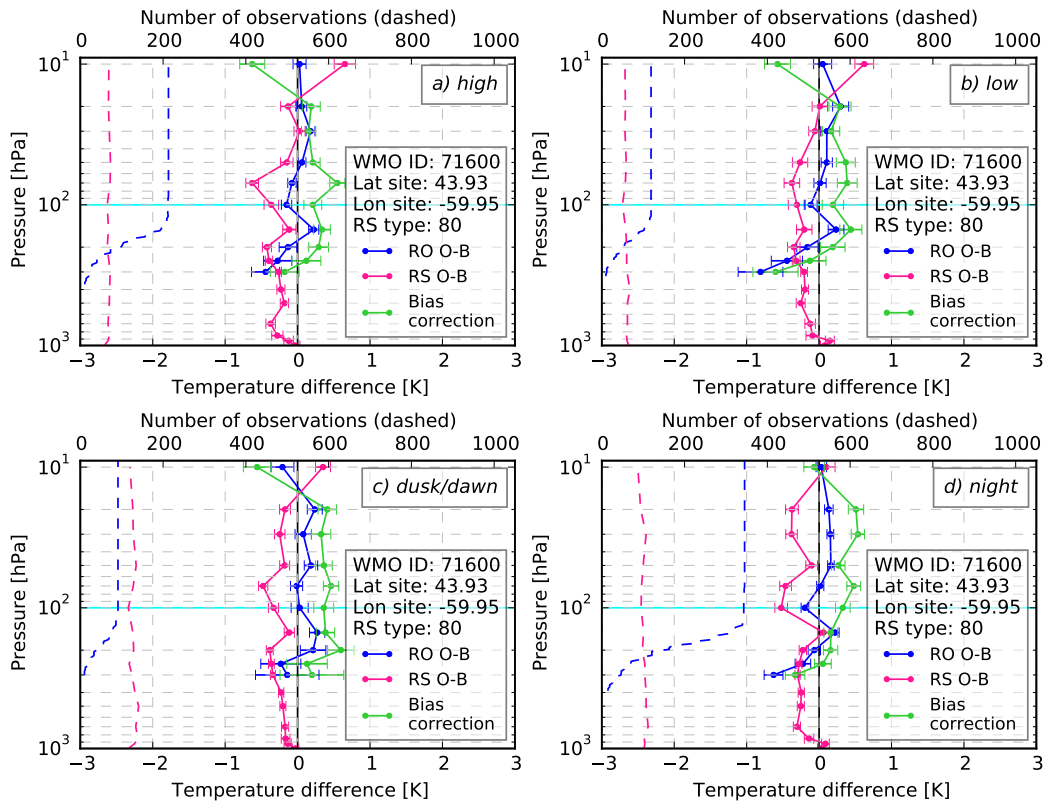
**Figure 1.488:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.489 WMO ID 71600



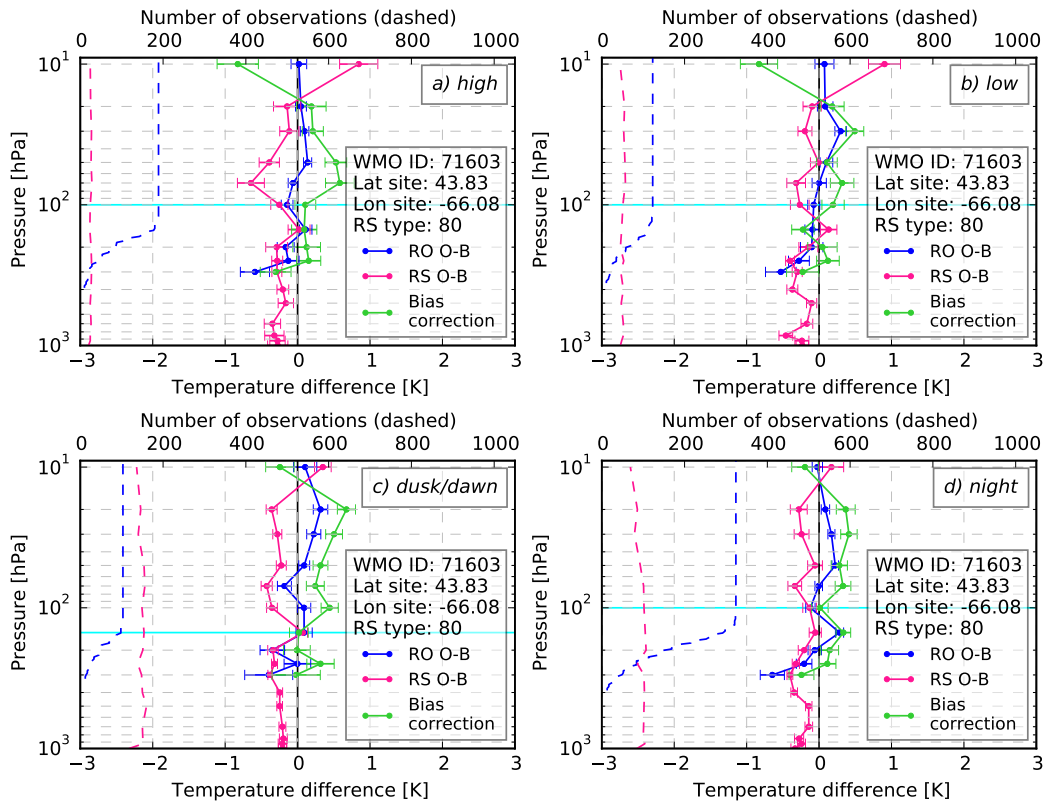
**Figure 1.489:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.490 WMO ID 71600



**Figure 1.490:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

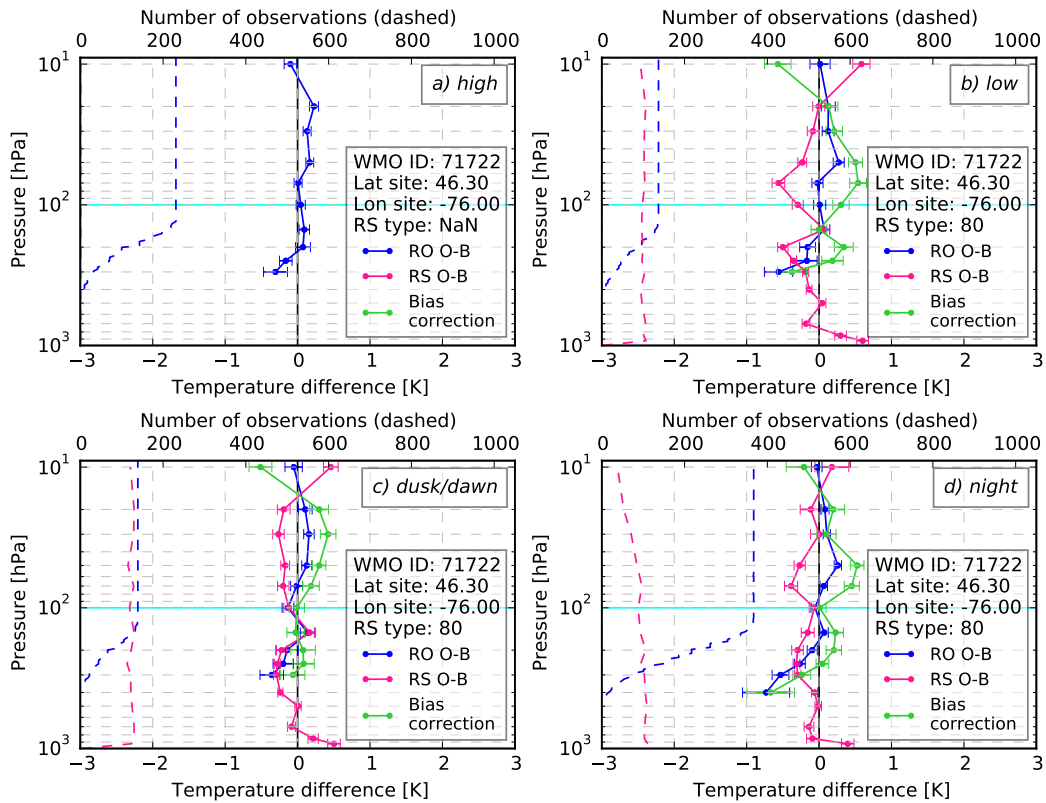
### 1.491 WMO ID 71603



**Figure 1.491:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

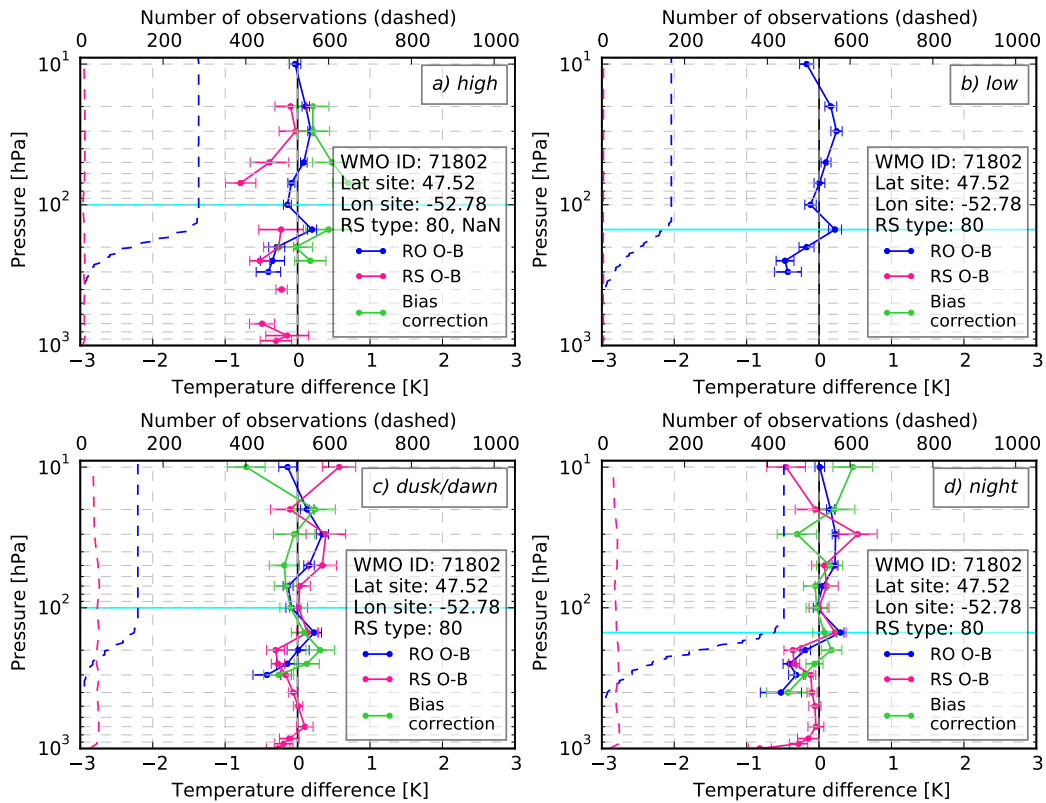


### 1.492 WMO ID 71722



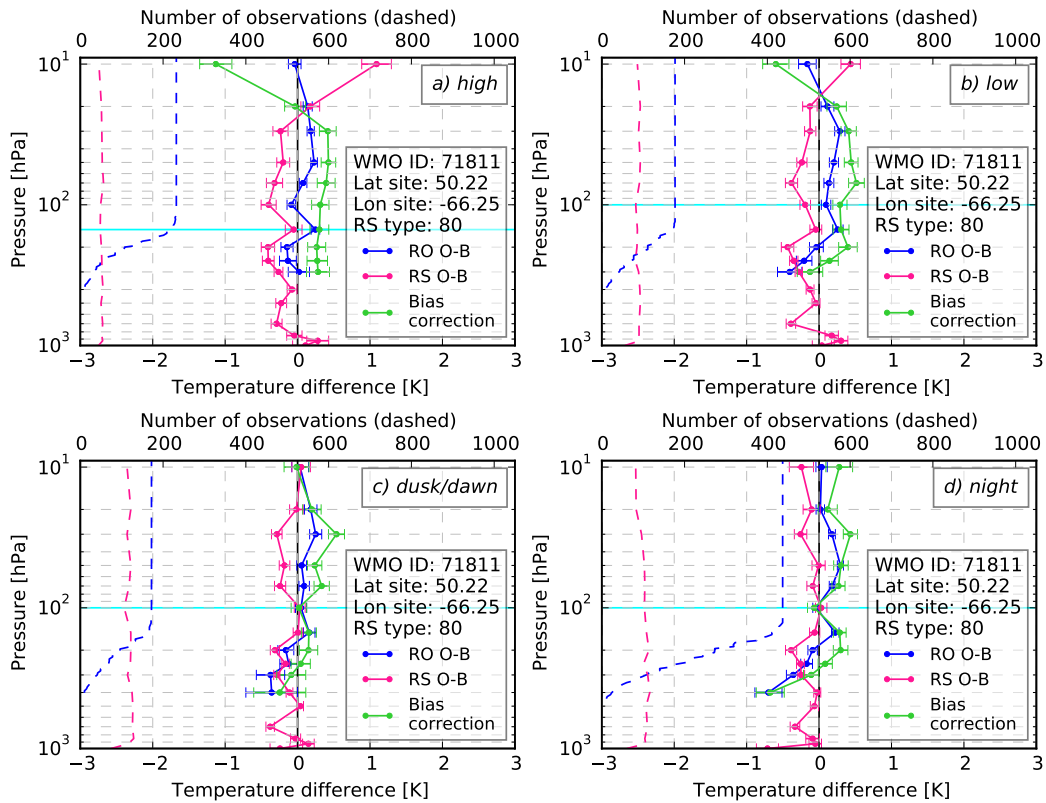
**Figure 1.492:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.493 WMO ID 71802



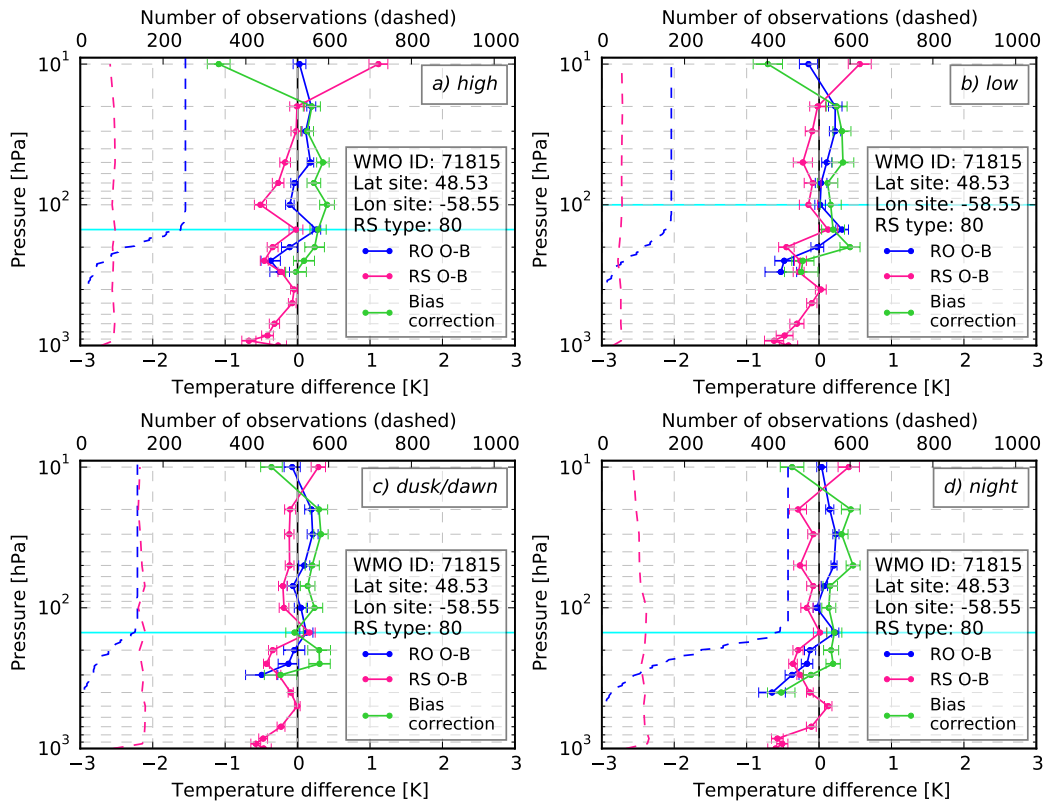
**Figure 1.493:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.494 WMO ID 71811



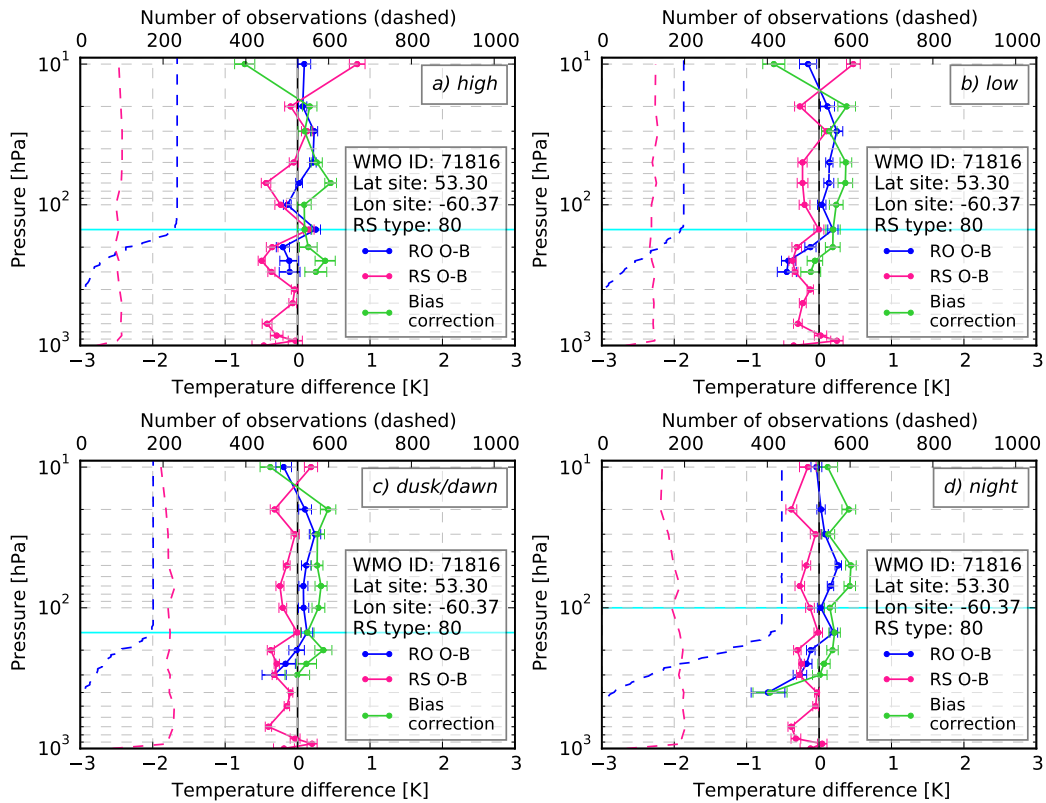
**Figure 1.494:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.495 WMO ID 71815



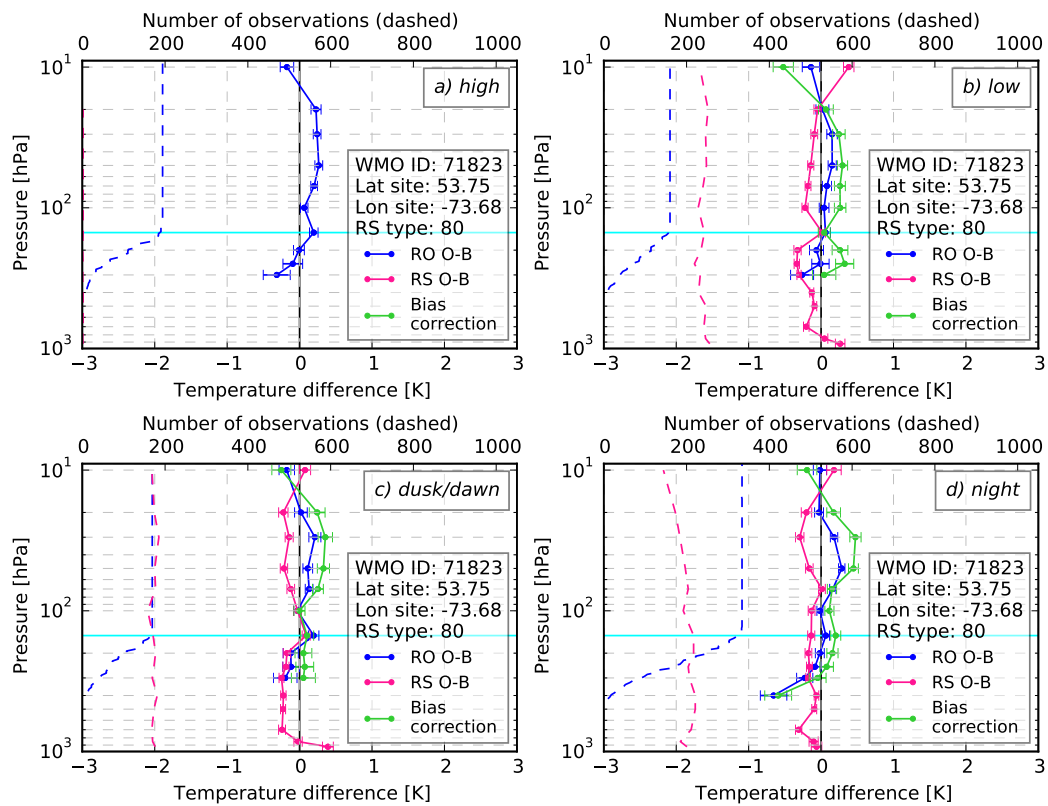
**Figure 1.495:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.496 WMO ID 71816



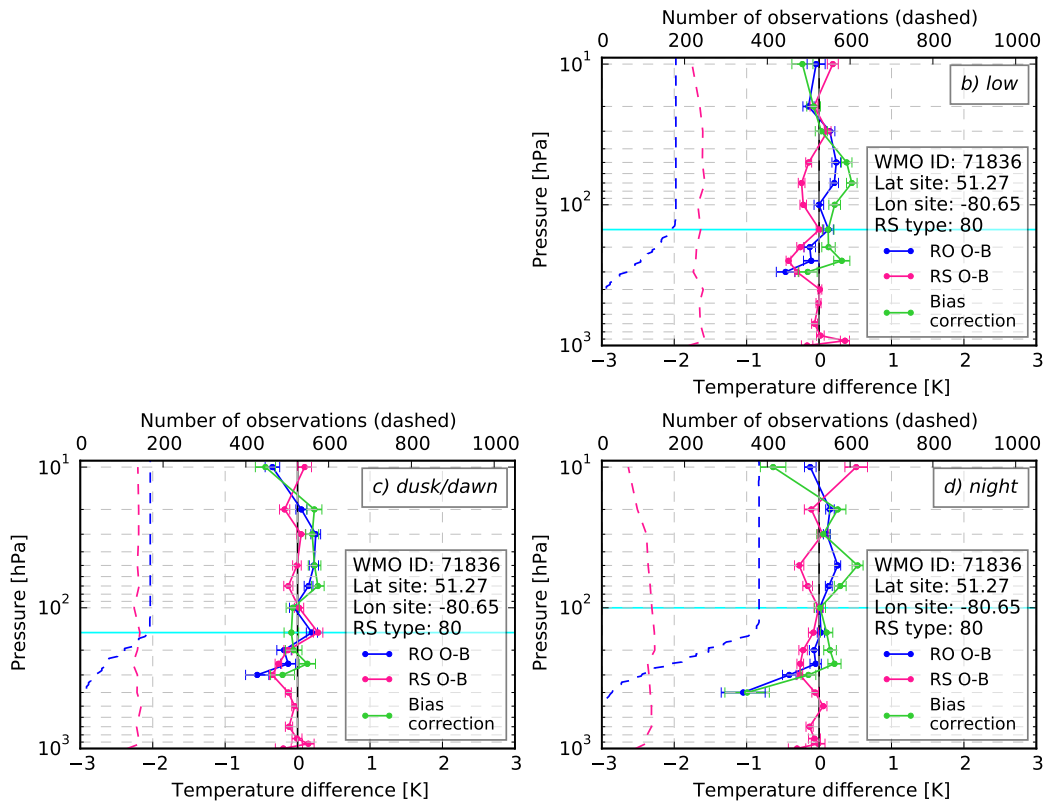
**Figure 1.496:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.497 WMO ID 71823



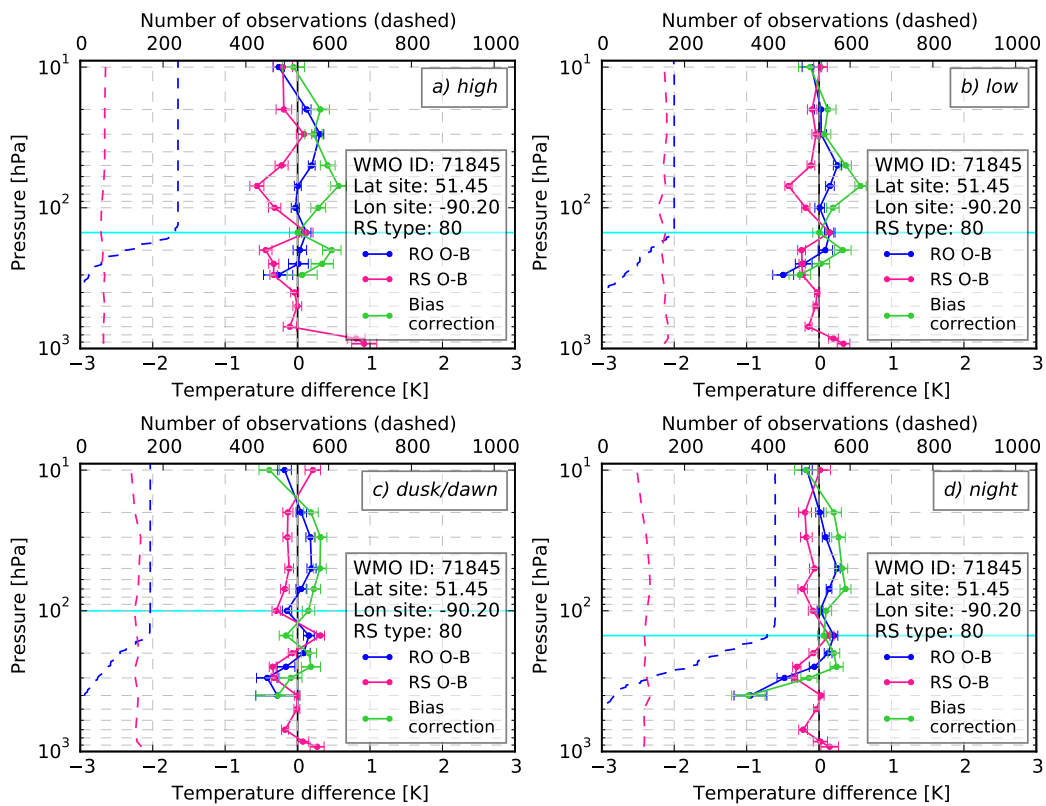
**Figure 1.497:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.498 WMO ID 71836



**Figure 1.498:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

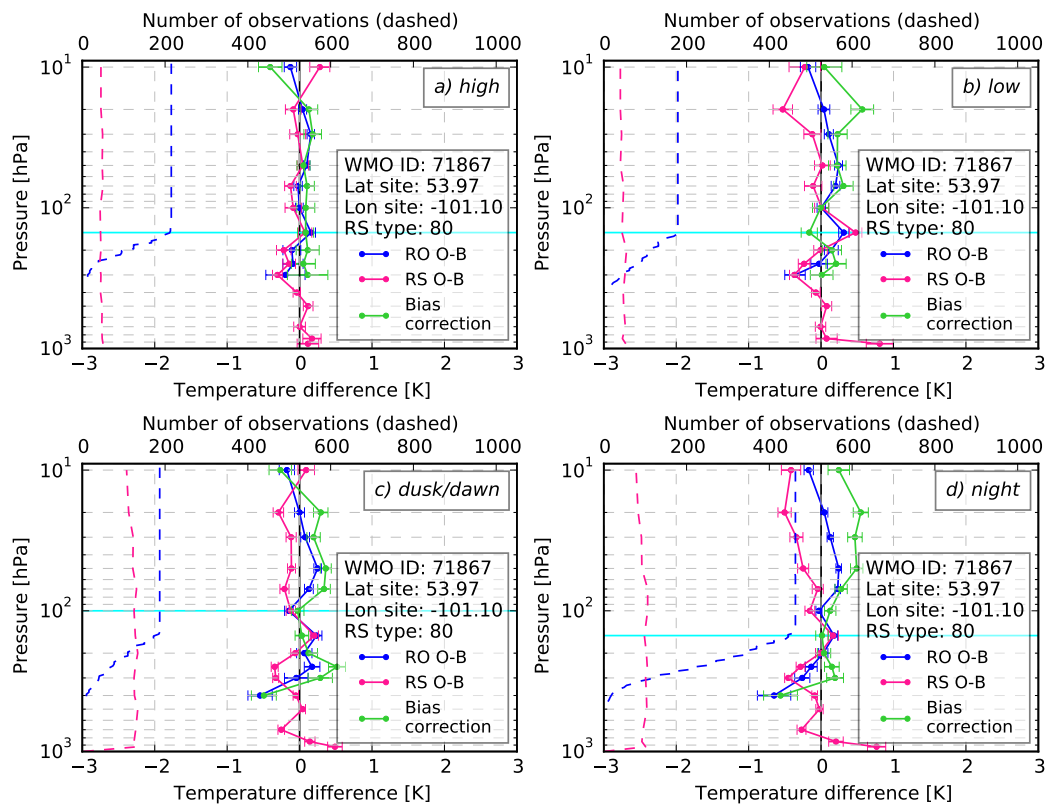
### 1.499 WMO ID 71845



**Figure 1.499:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

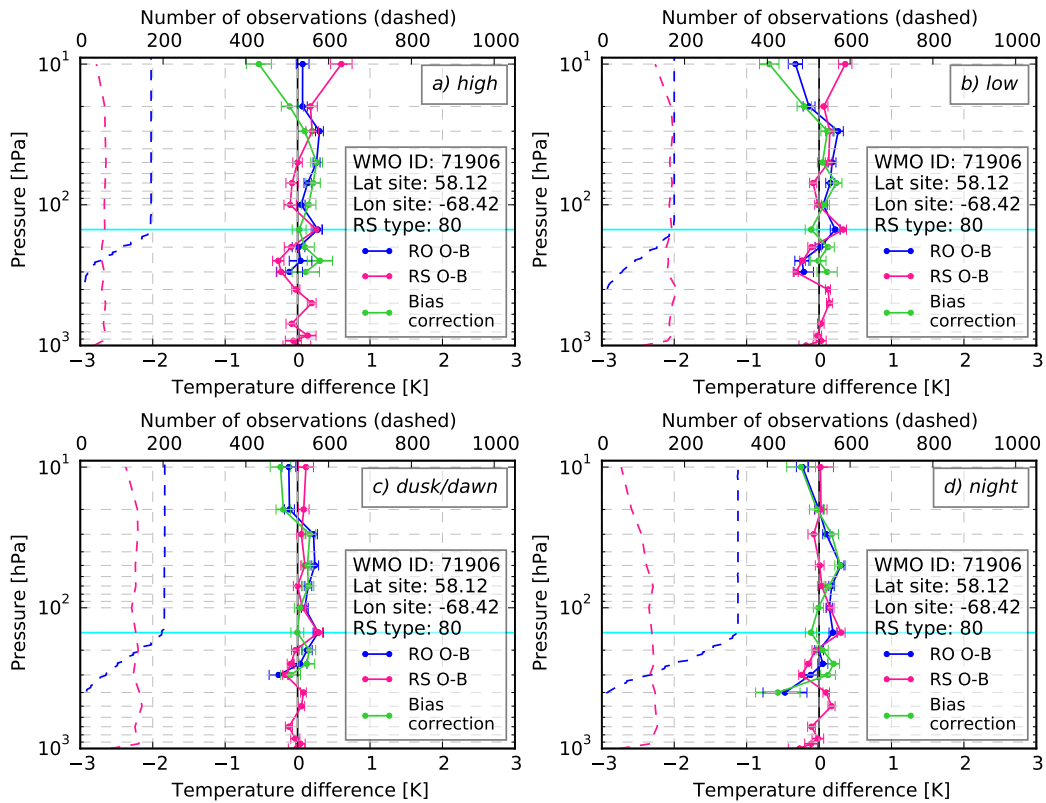


### 1.500 WMO ID 71867



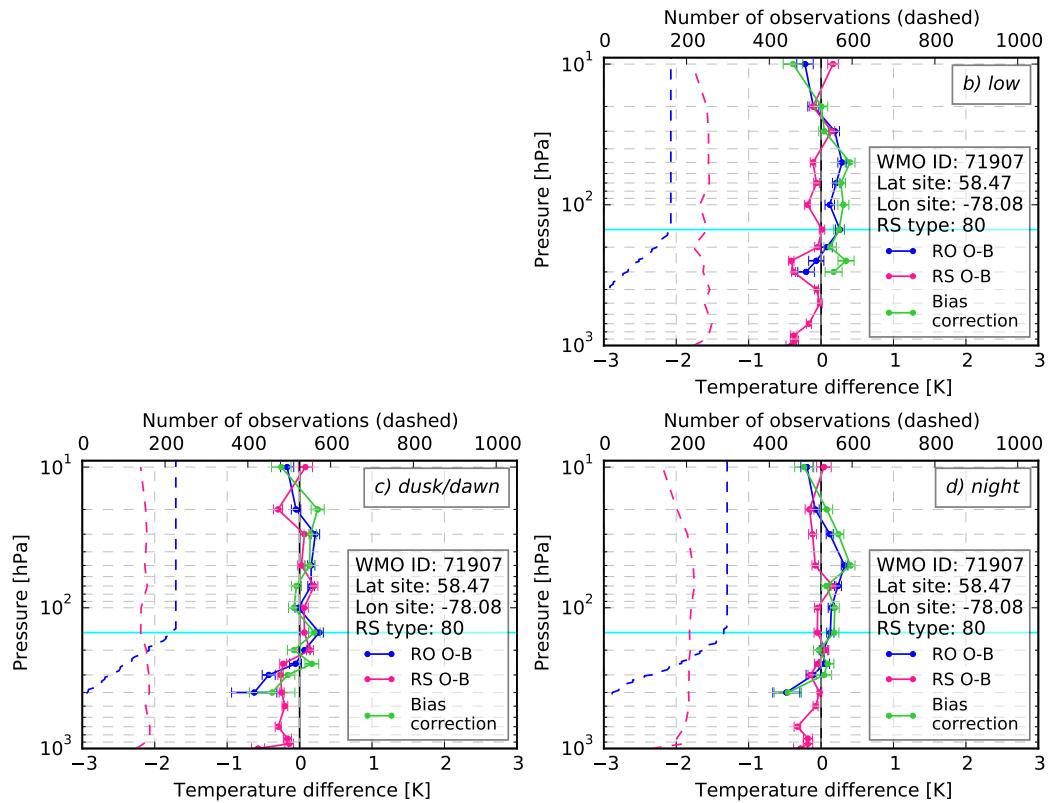
**Figure 1.500:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.501 WMO ID 71906



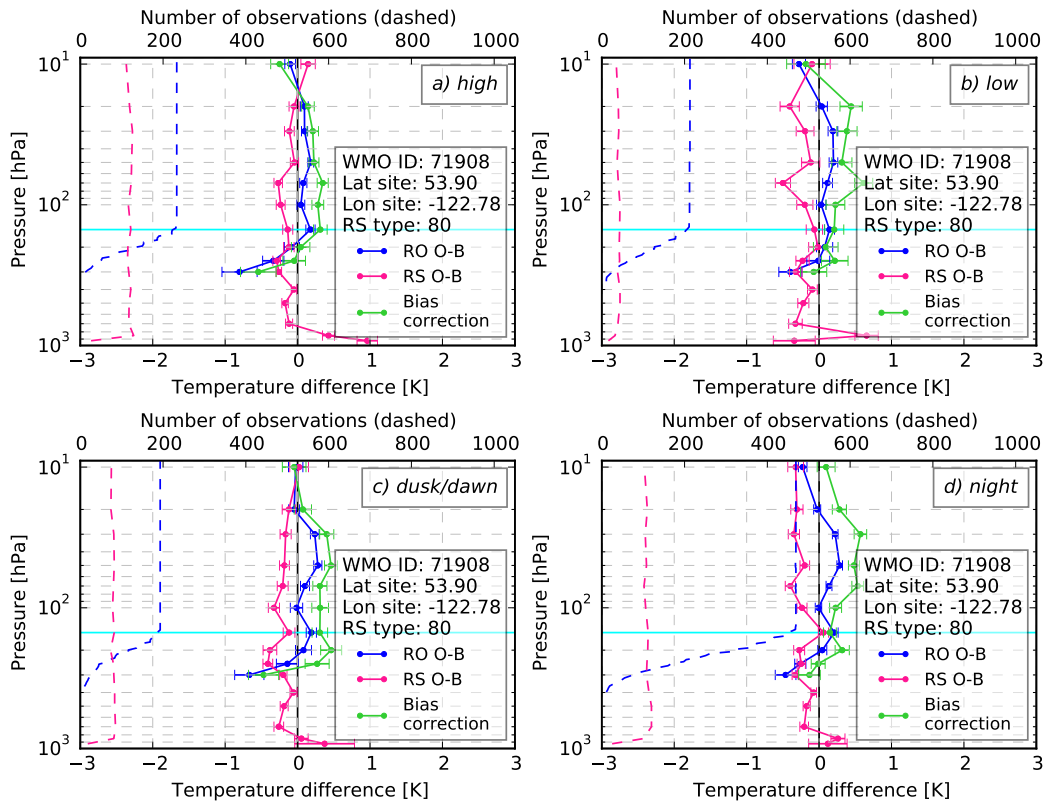
**Figure 1.501:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.502 WMO ID 71907



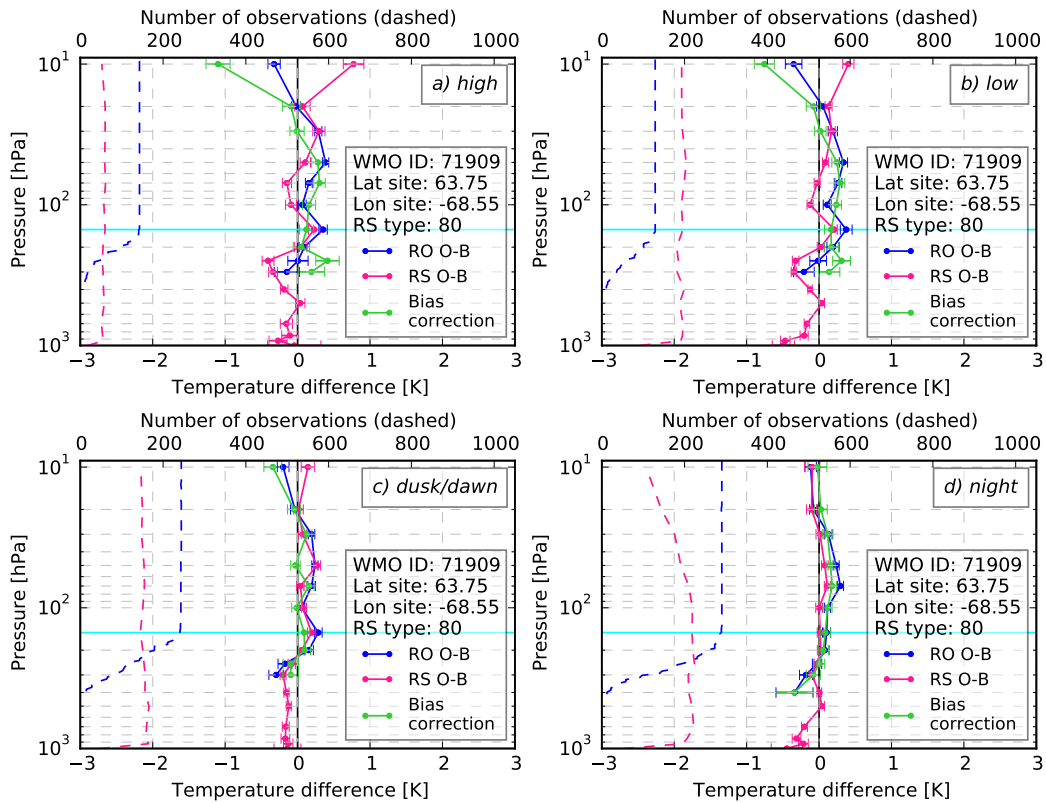
**Figure 1.502:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.503 WMO ID 71908



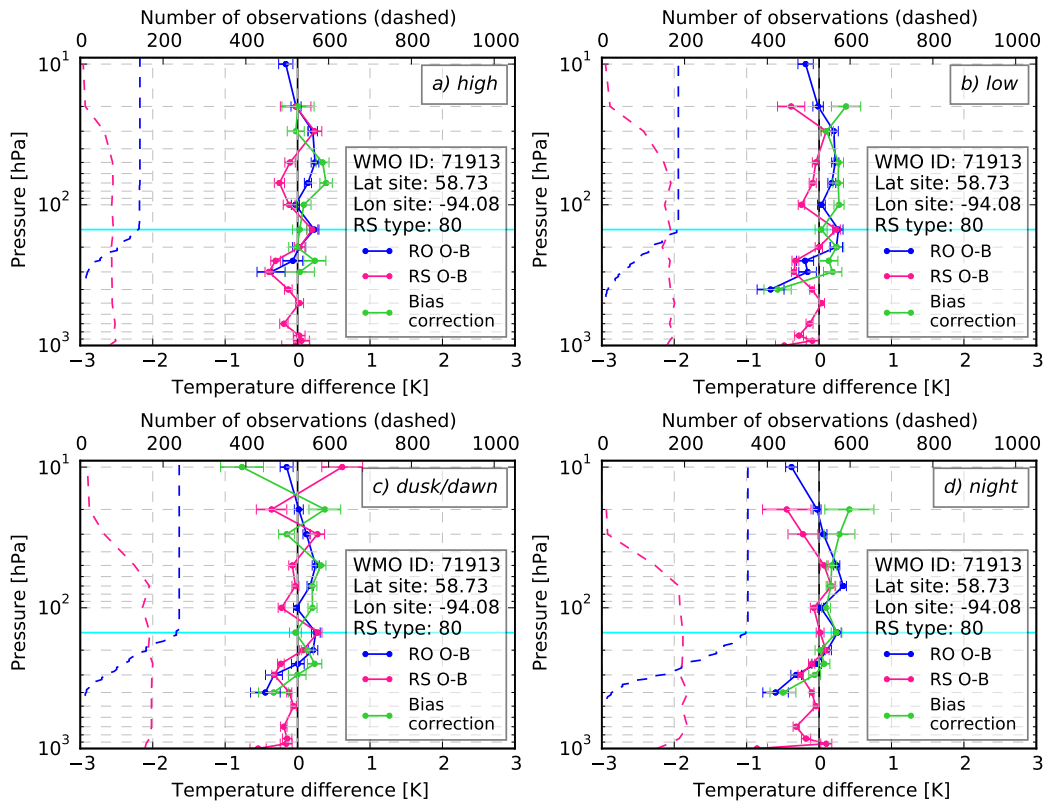
**Figure 1.503:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.504 WMO ID 71909



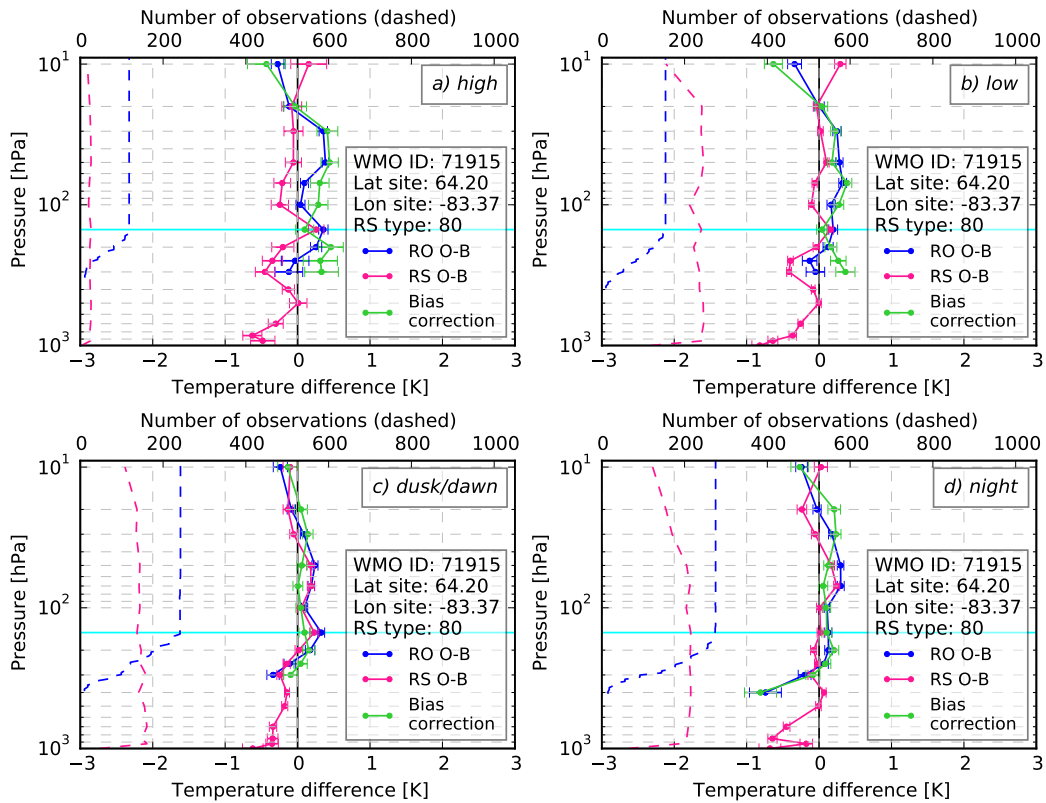
**Figure 1.504:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.505 WMO ID 71913



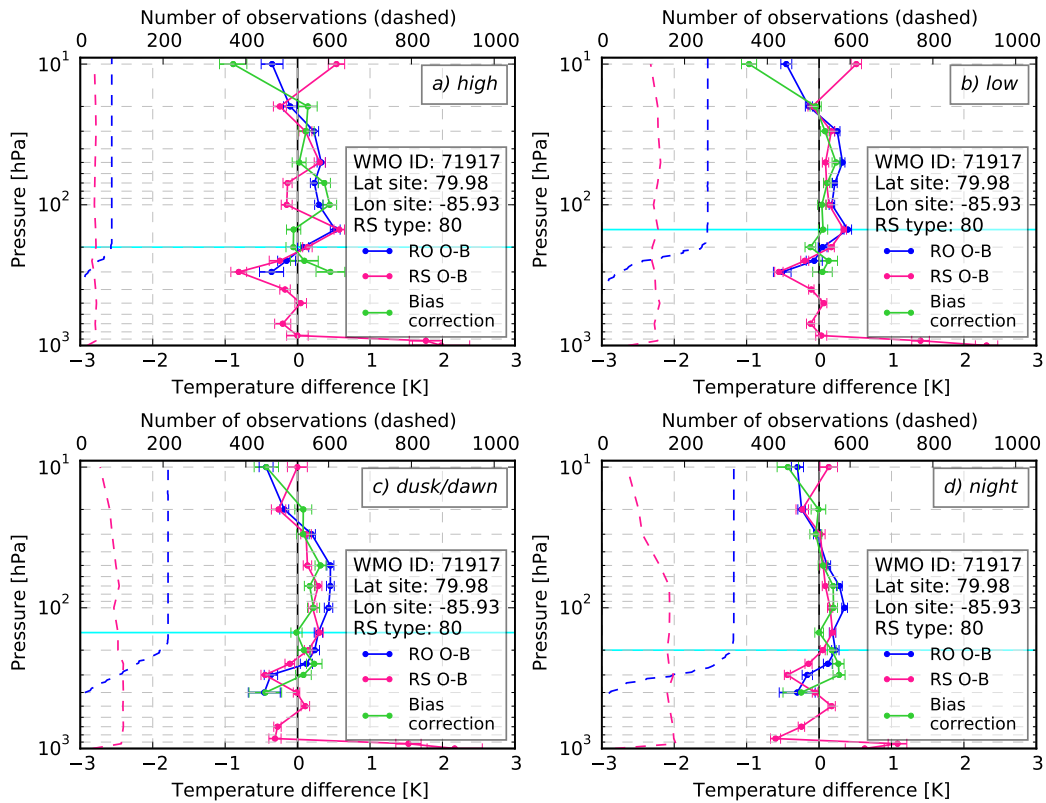
**Figure 1.505:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.506 WMO ID 71915



**Figure 1.506:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

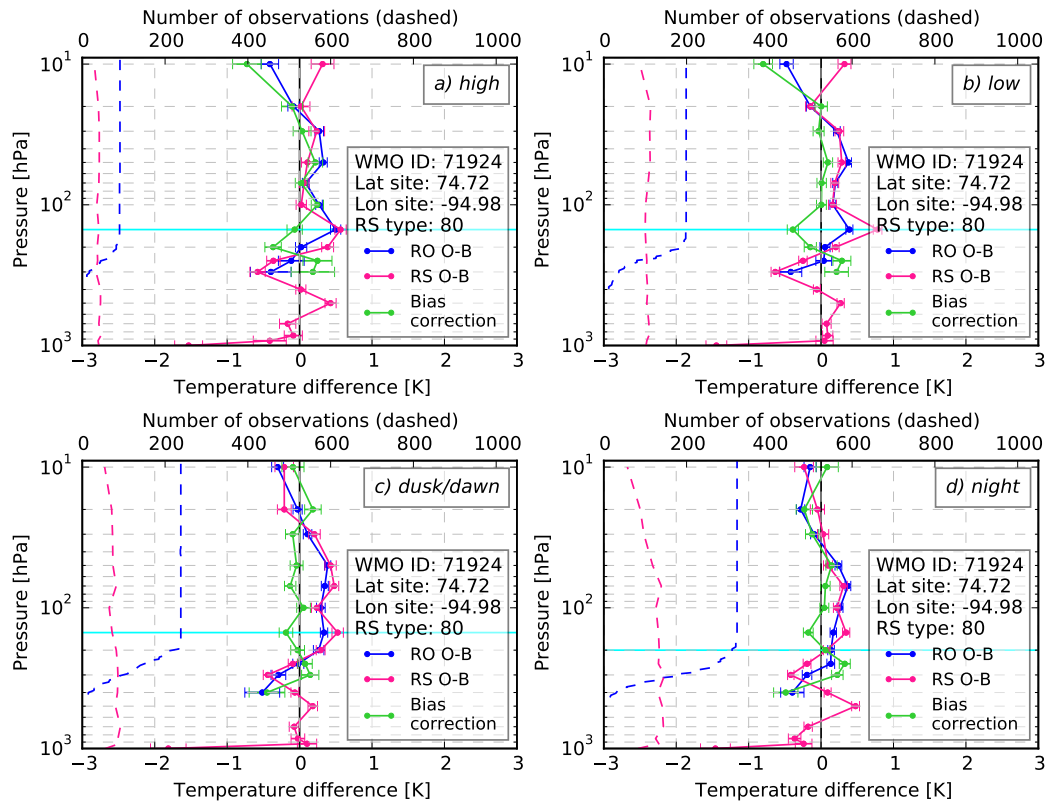
### 1.507 WMO ID 71917



**Figure 1.507:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

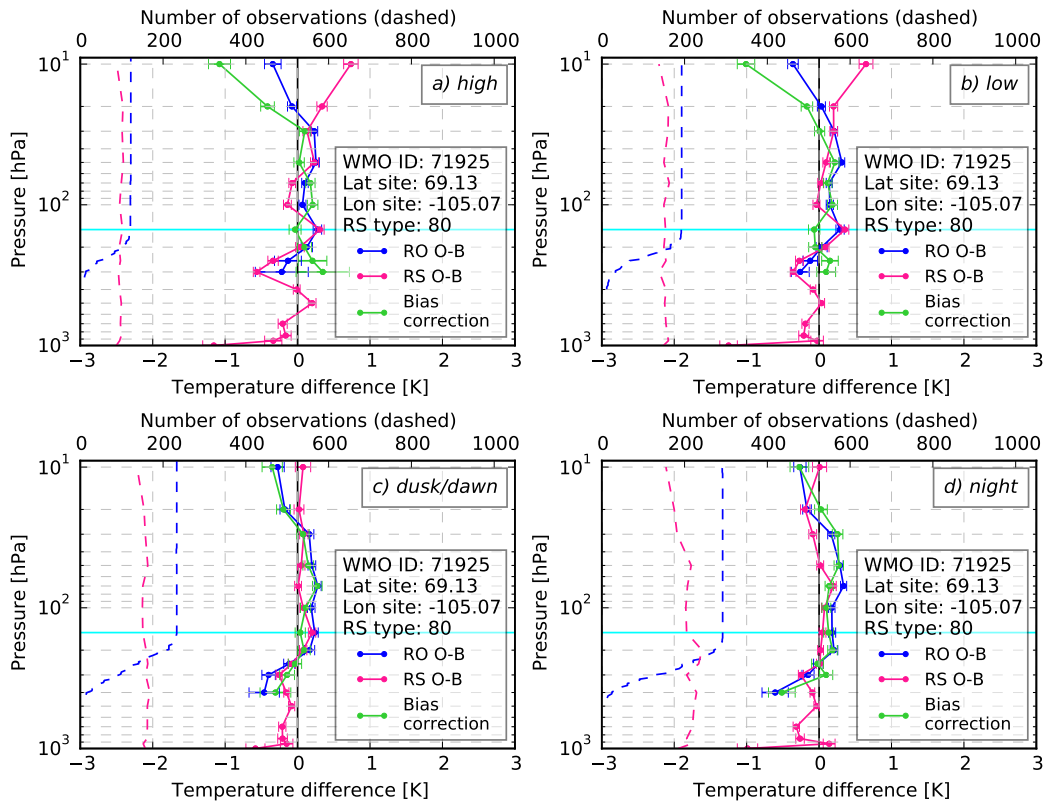


### 1.508 WMO ID 71924



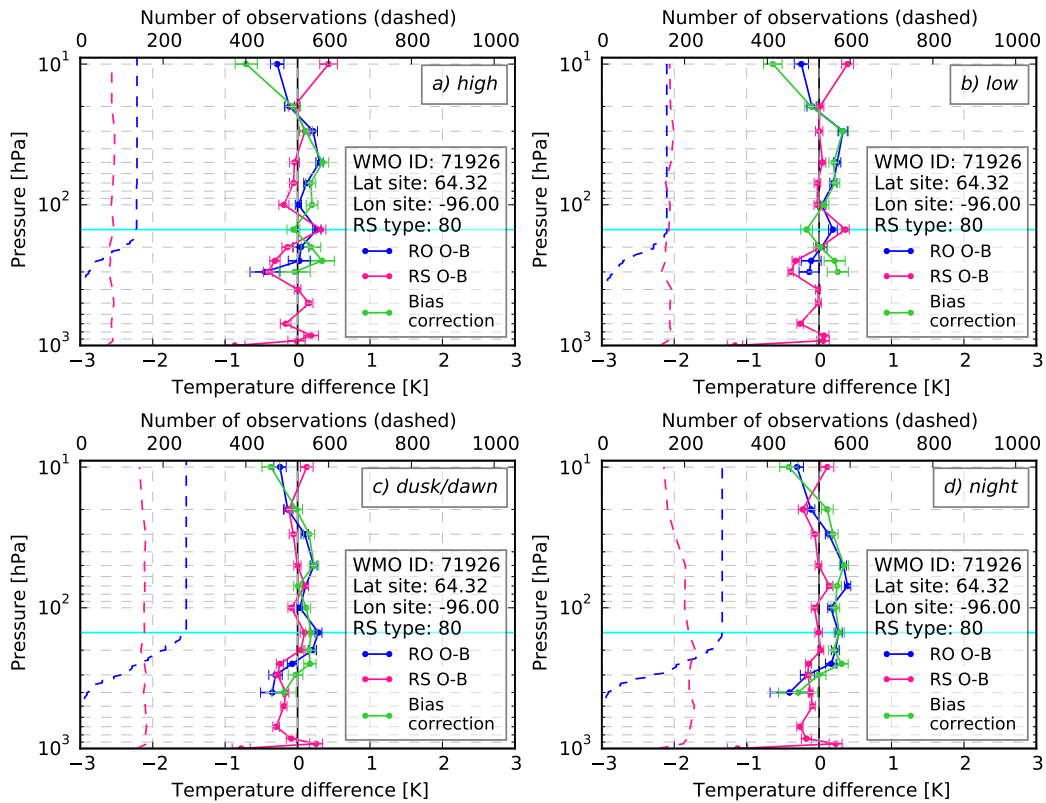
**Figure 1.508:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.509 WMO ID 71925



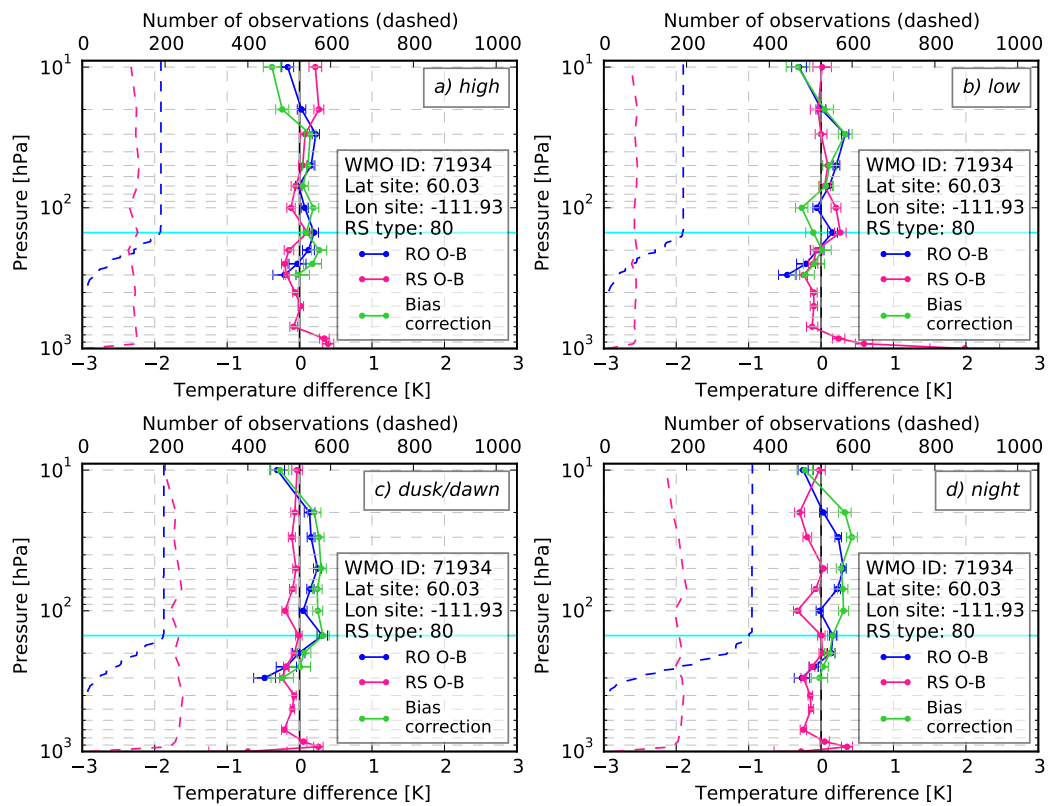
**Figure 1.509:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.510 WMO ID 71926



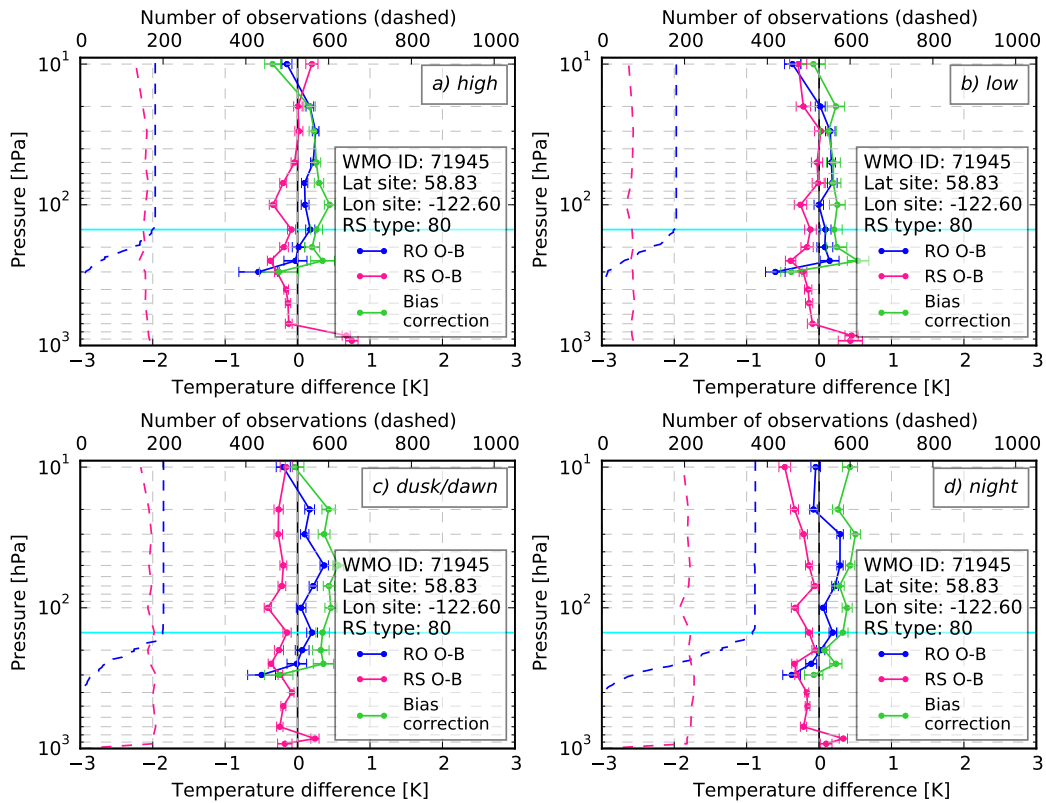
**Figure 1.510:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.511 WMO ID 71934



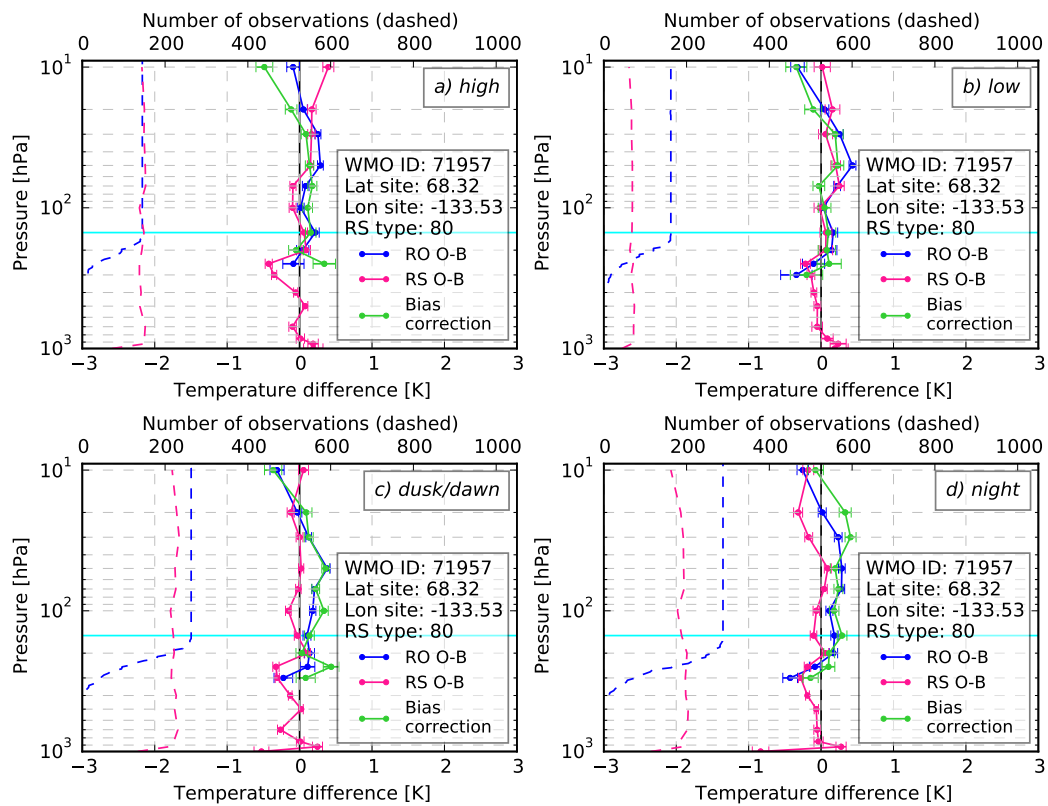
**Figure 1.511:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.512 WMO ID 71945



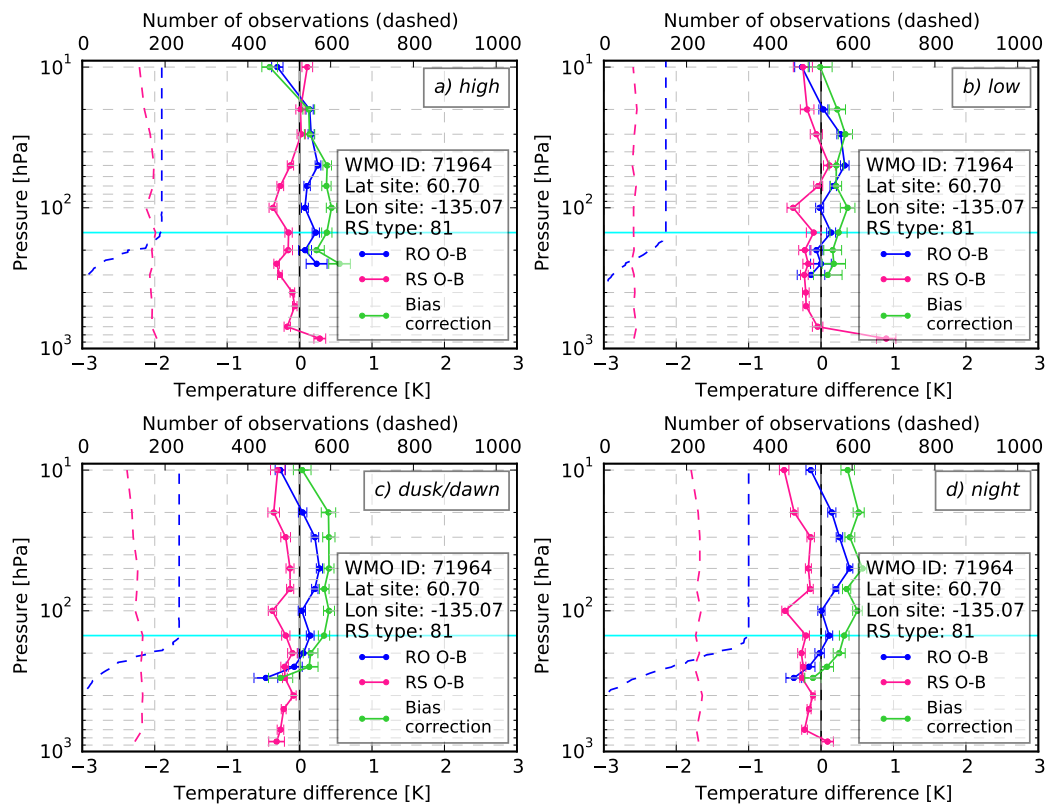
**Figure 1.512:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.513 WMO ID 71957



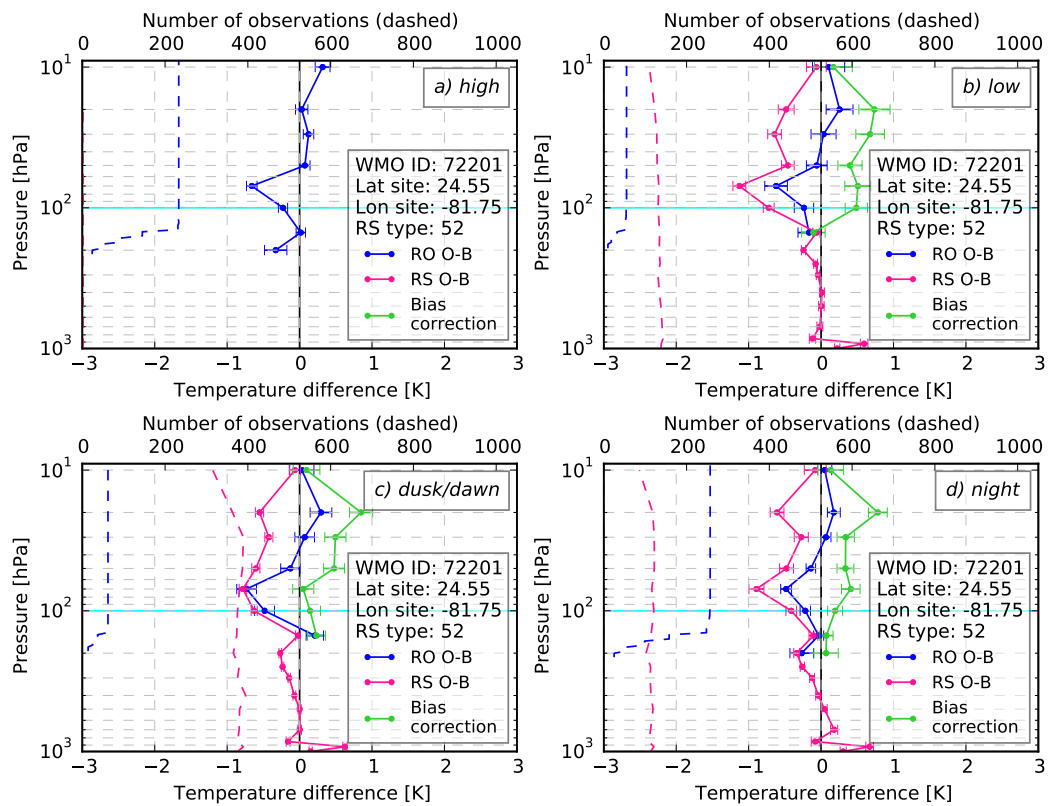
**Figure 1.513:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.514 WMO ID 71964



**Figure 1.514:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

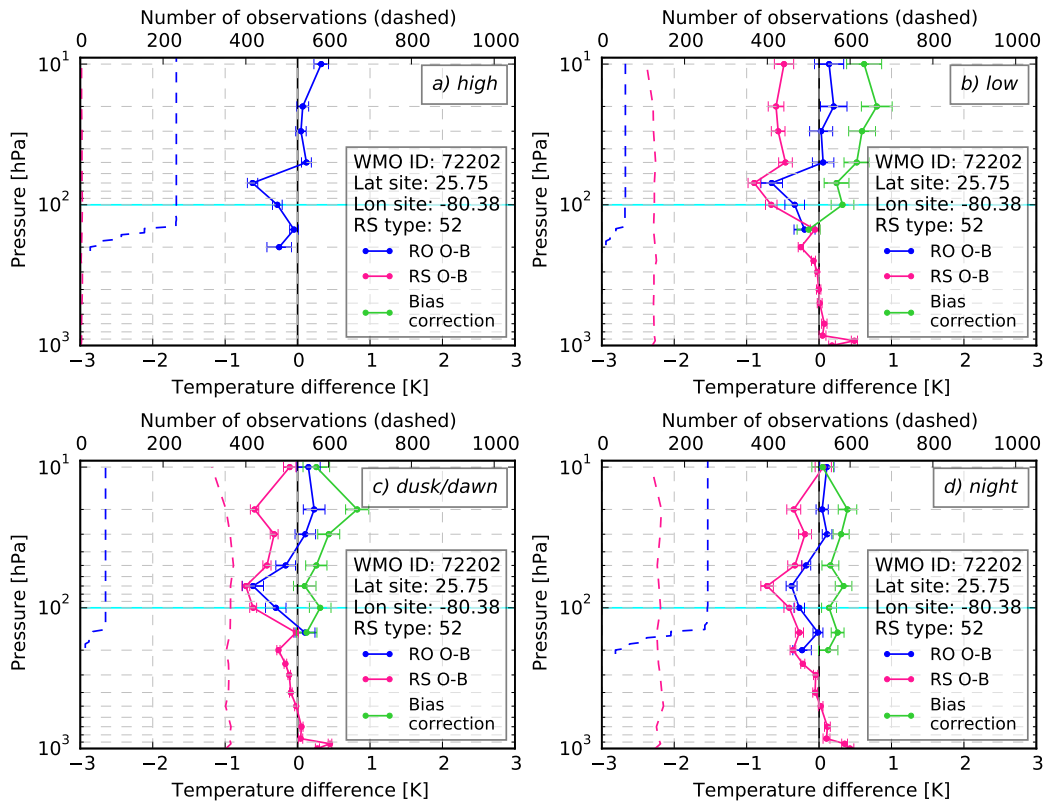
### 1.515 WMO ID 72201



**Figure 1.515:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

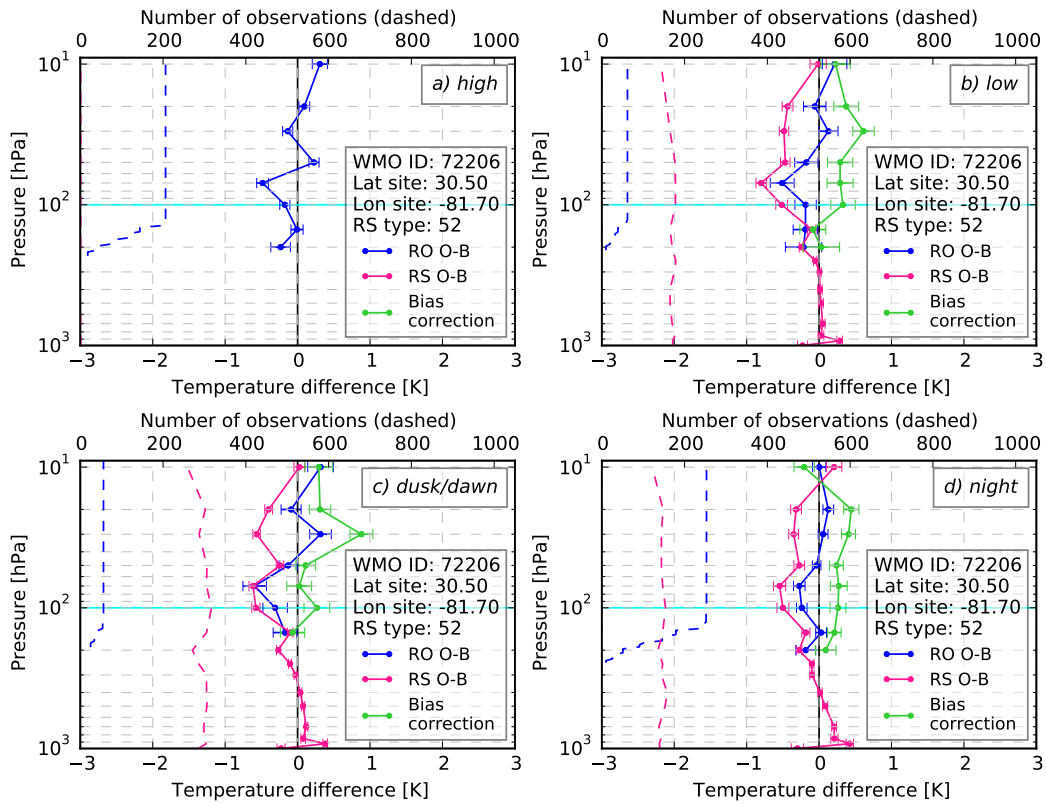


### 1.516 WMO ID 72202



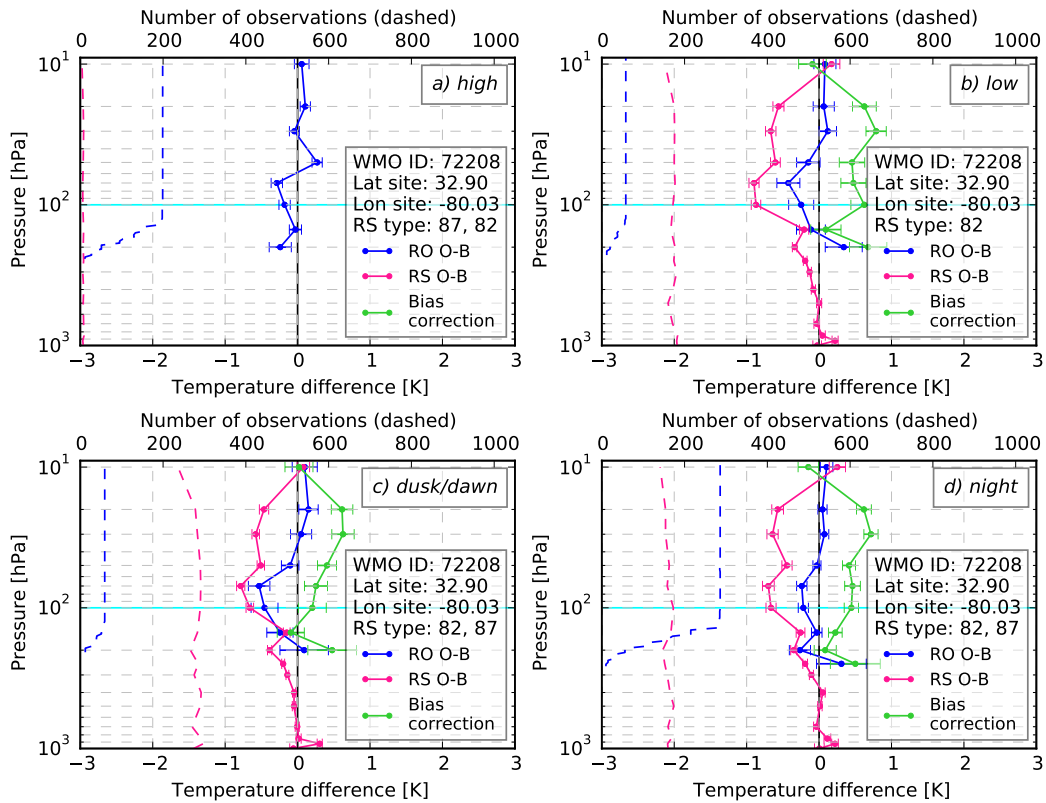
**Figure 1.516:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.517 WMO ID 72206



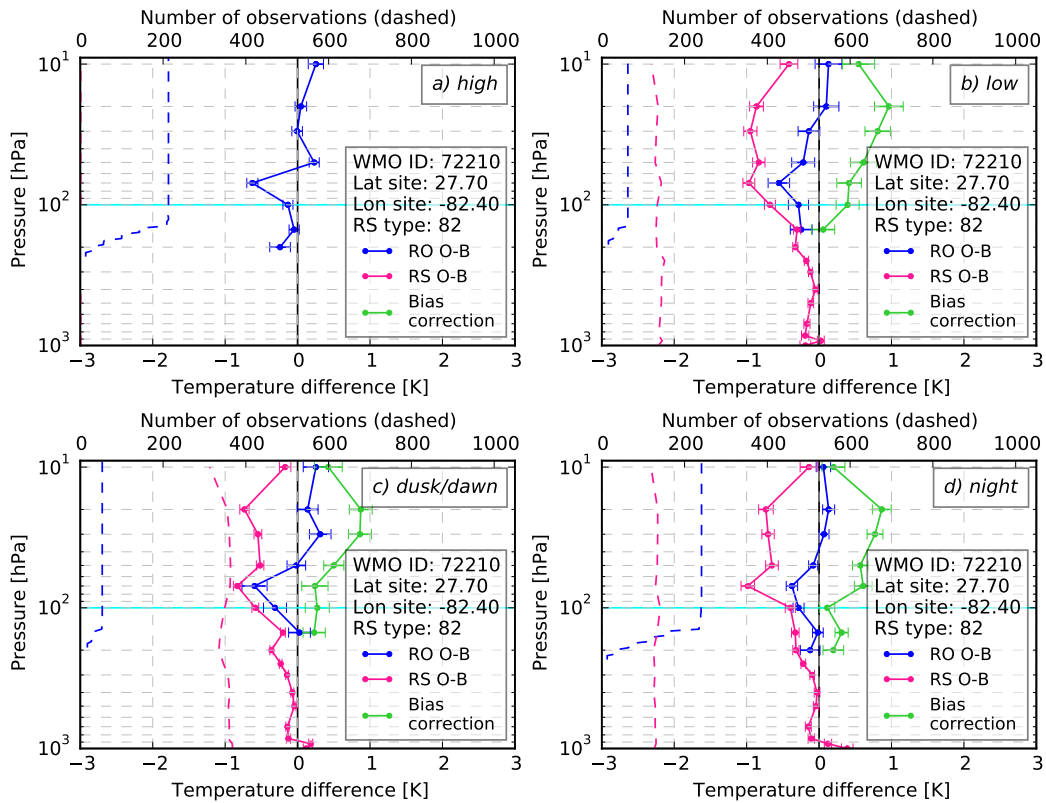
**Figure 1.517:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.518 WMO ID 72208



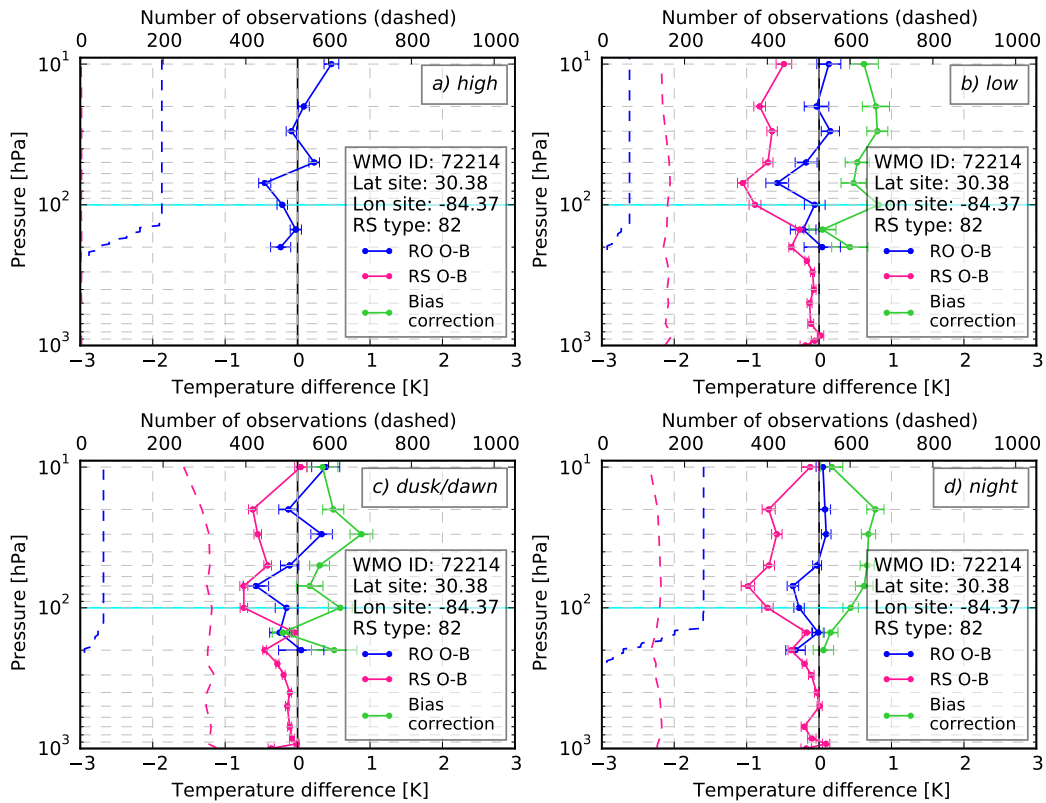
**Figure 1.518:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.519 WMO ID 72210



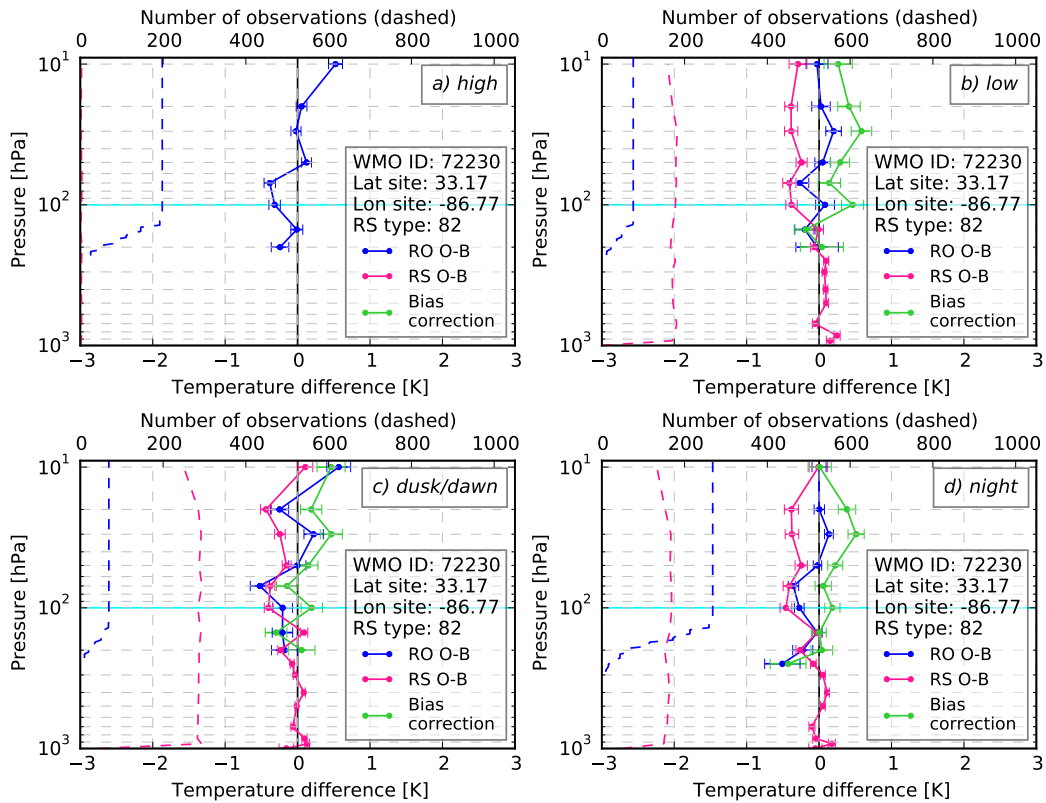
**Figure 1.519:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.520 WMO ID 72214



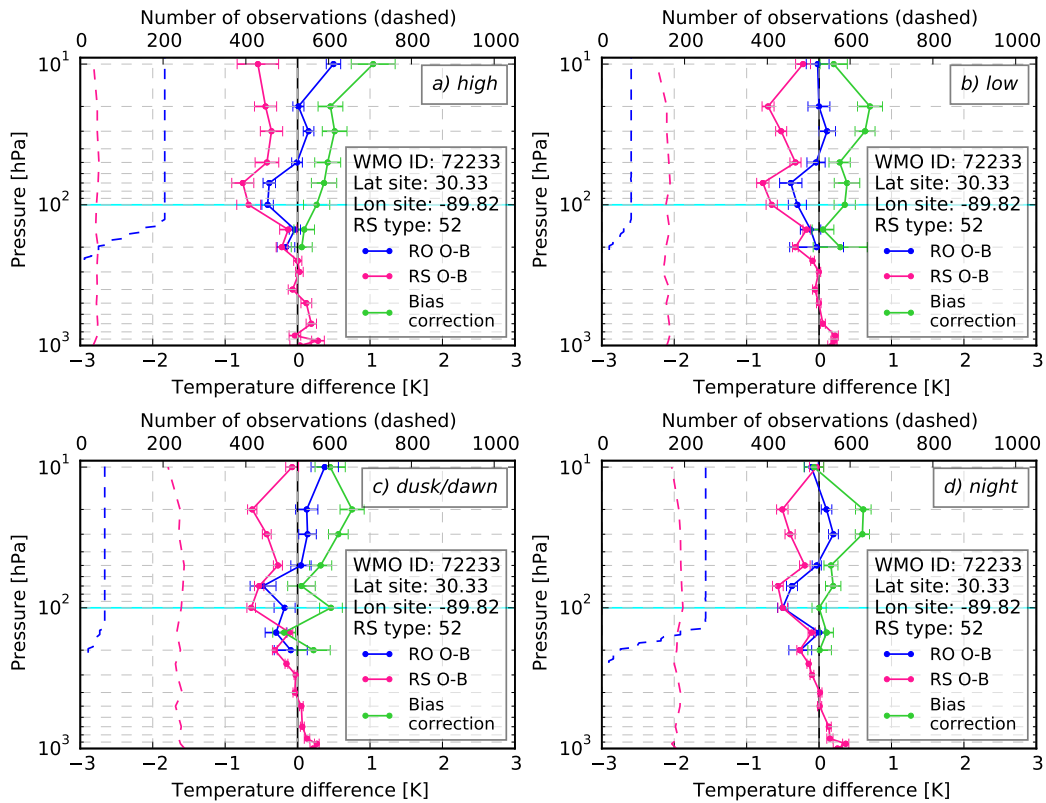
**Figure 1.520:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.521 WMO ID 72230



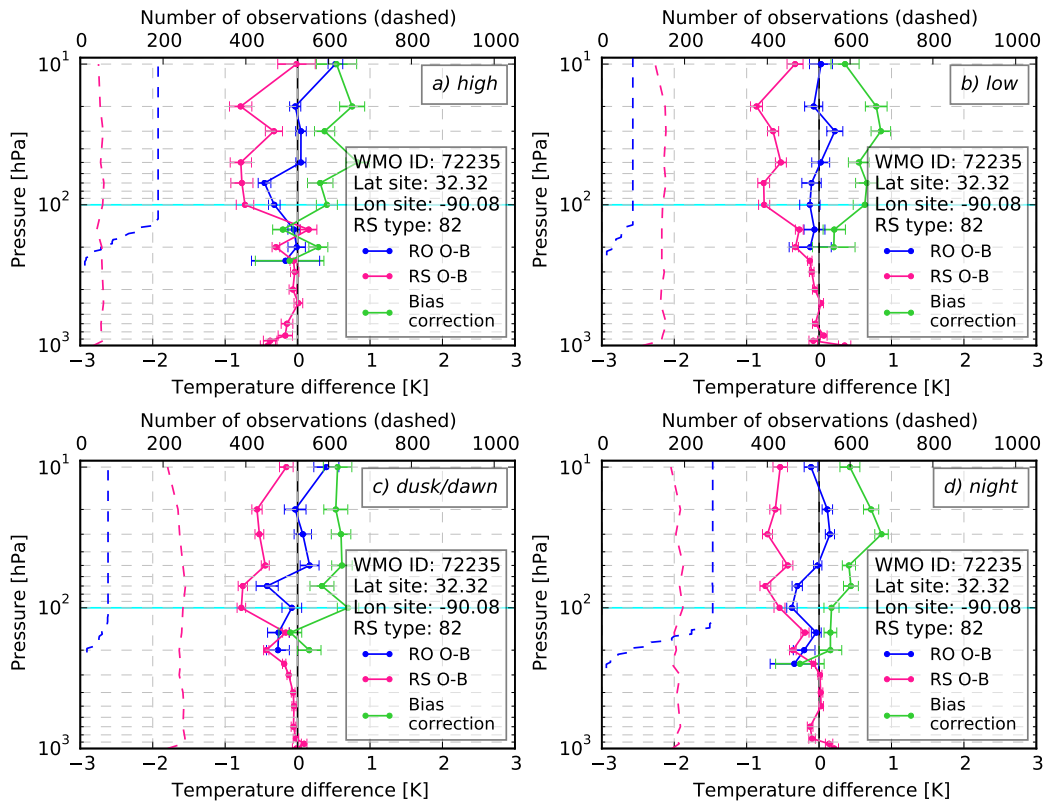
**Figure 1.521:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.522 WMO ID 72233



**Figure 1.522:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

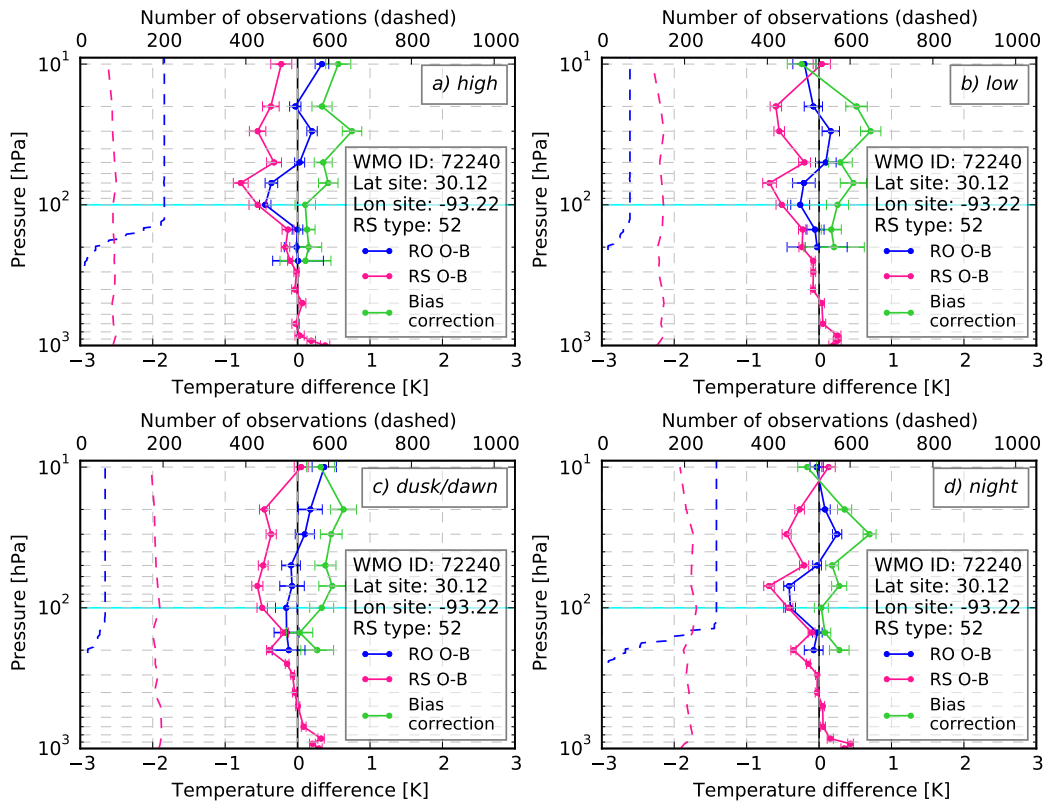
### 1.523 WMO ID 72235



**Figure 1.523:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

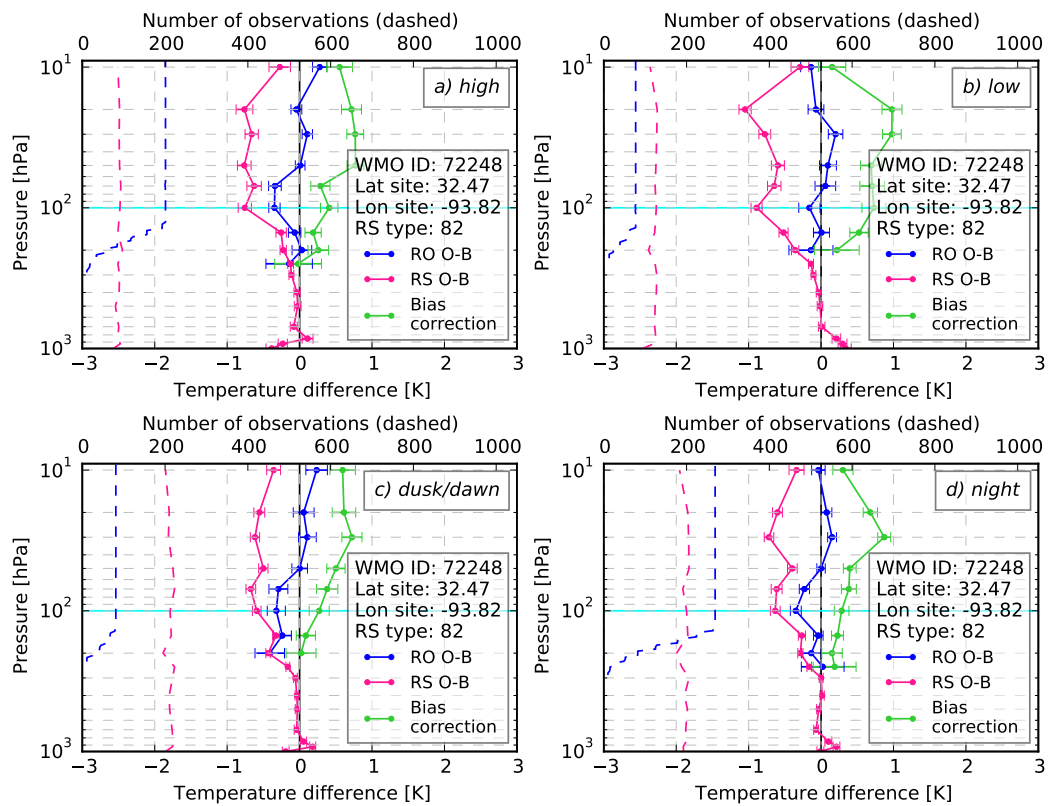


### 1.524 WMO ID 72240



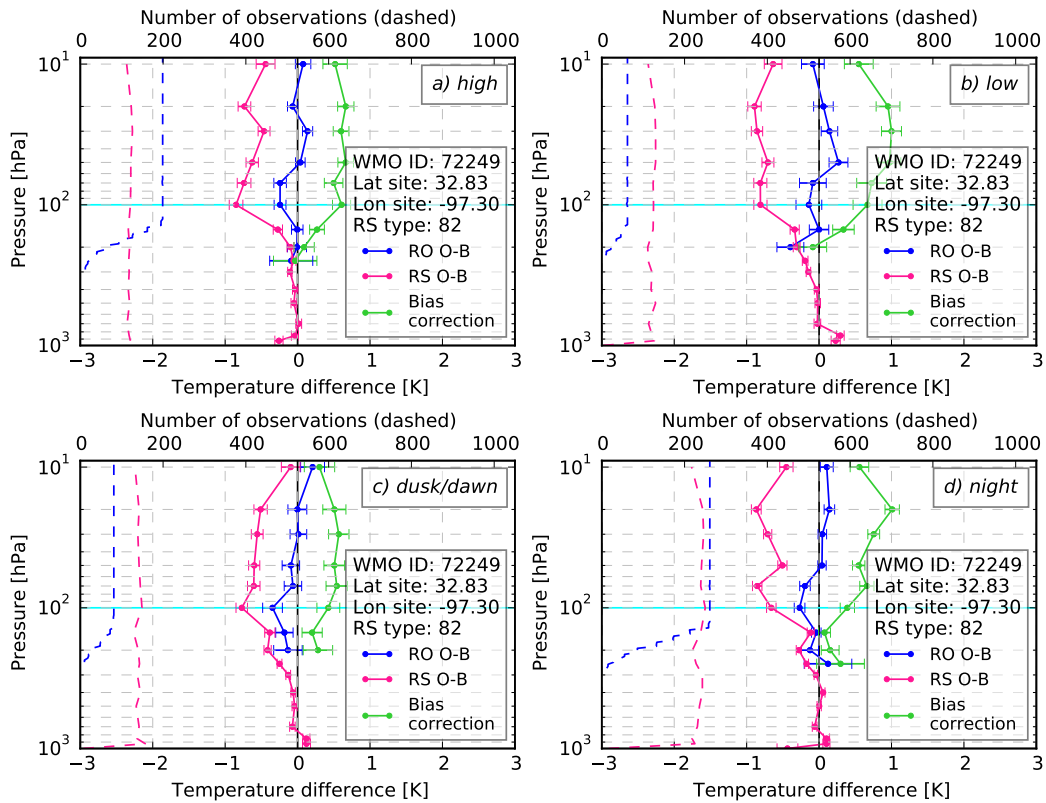
**Figure 1.524:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.525 WMO ID 72248



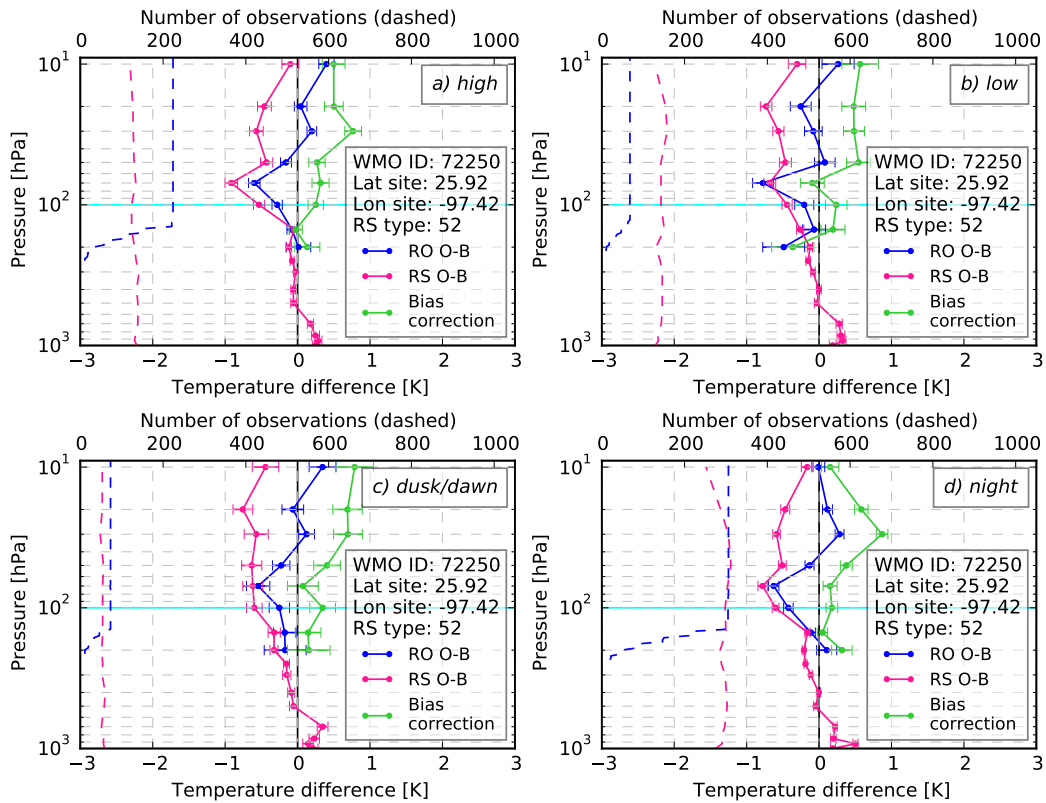
**Figure 1.525:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.526 WMO ID 72249



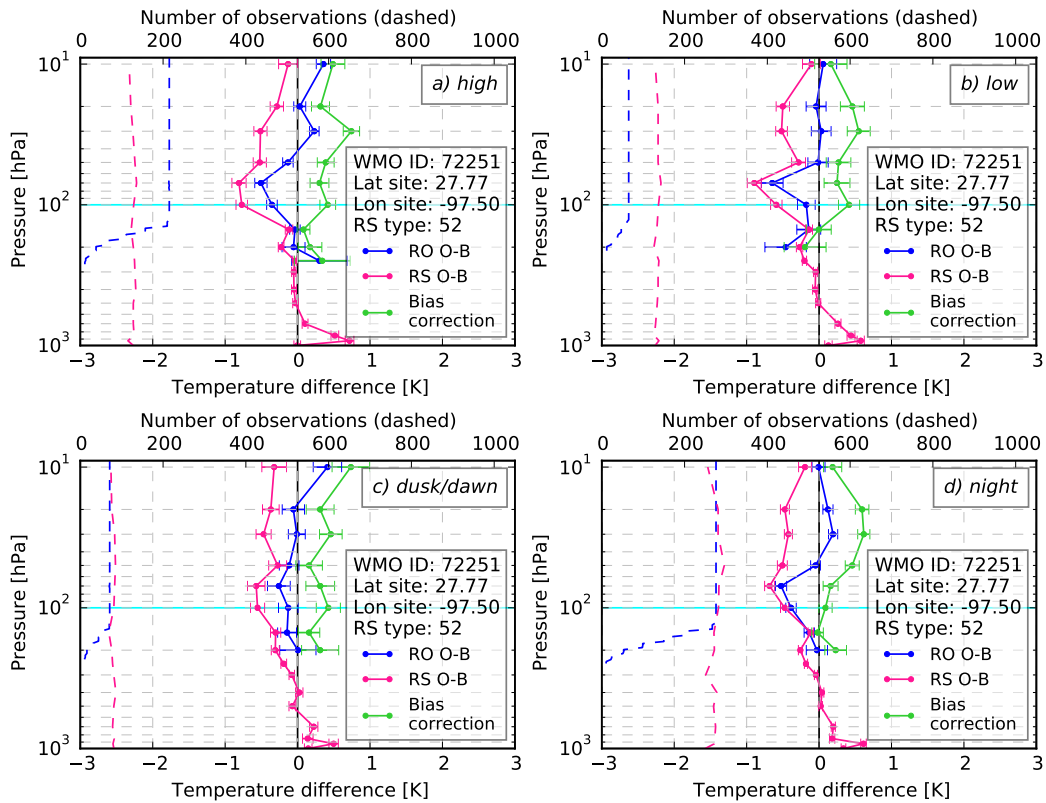
**Figure 1.526:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.527 WMO ID 72250



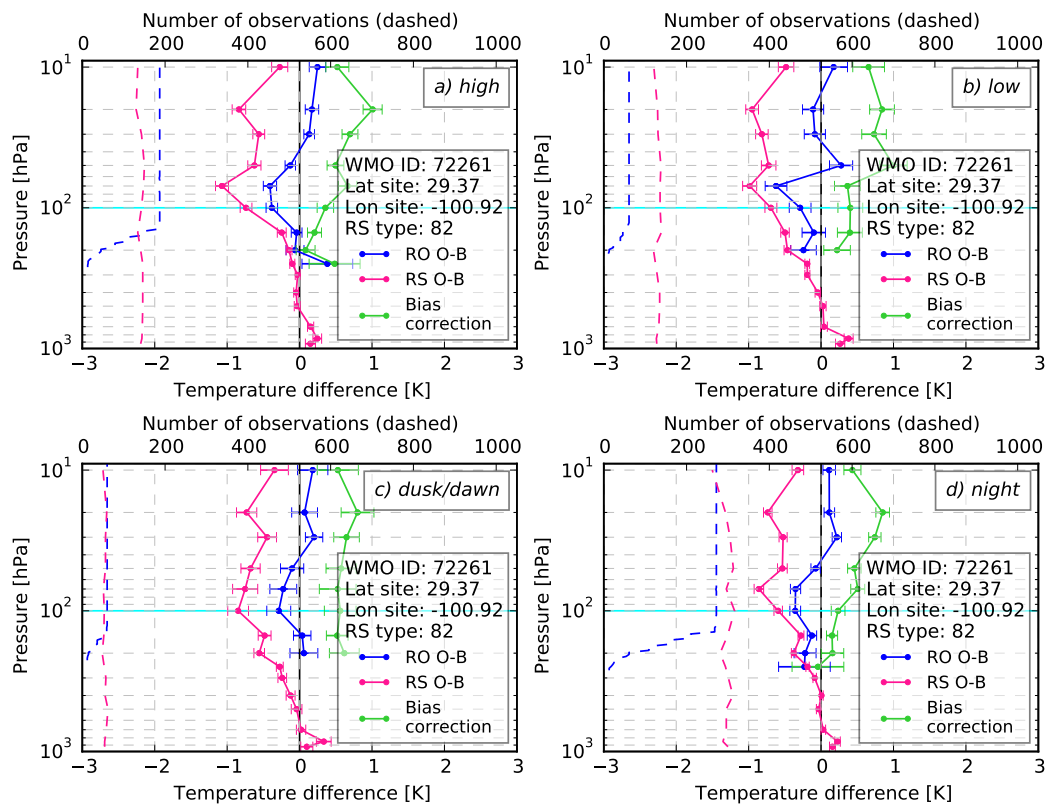
**Figure 1.527:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.528 WMO ID 72251



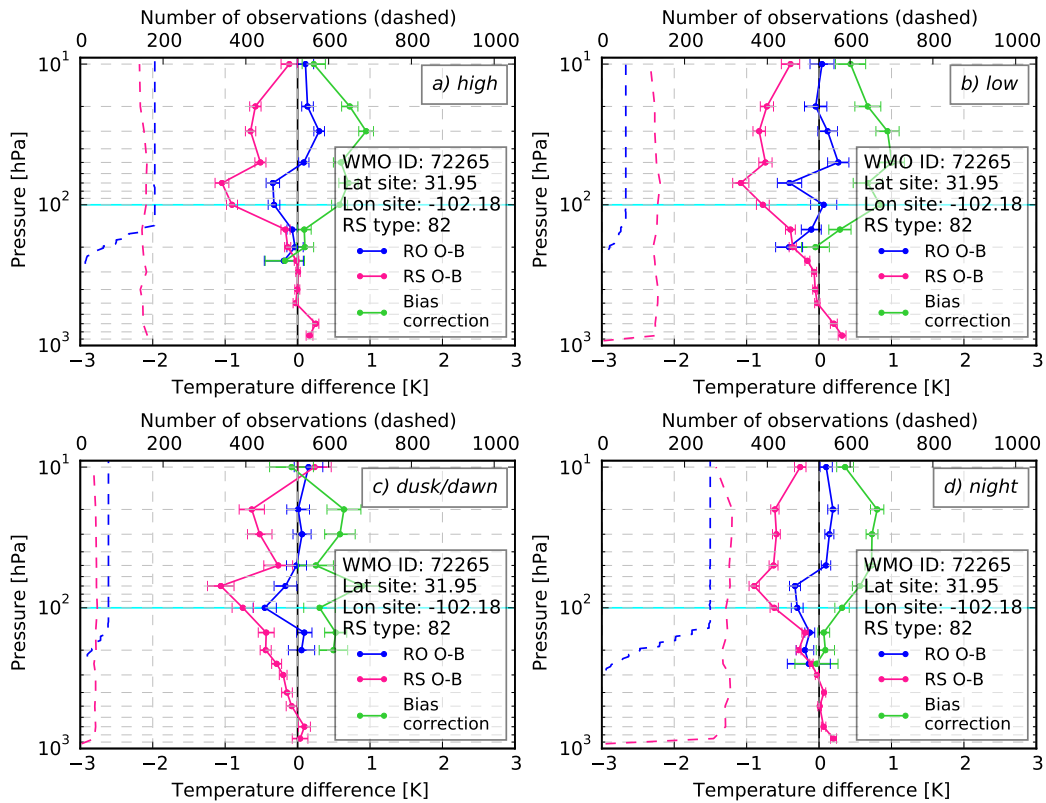
**Figure 1.528:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.529 WMO ID 72261



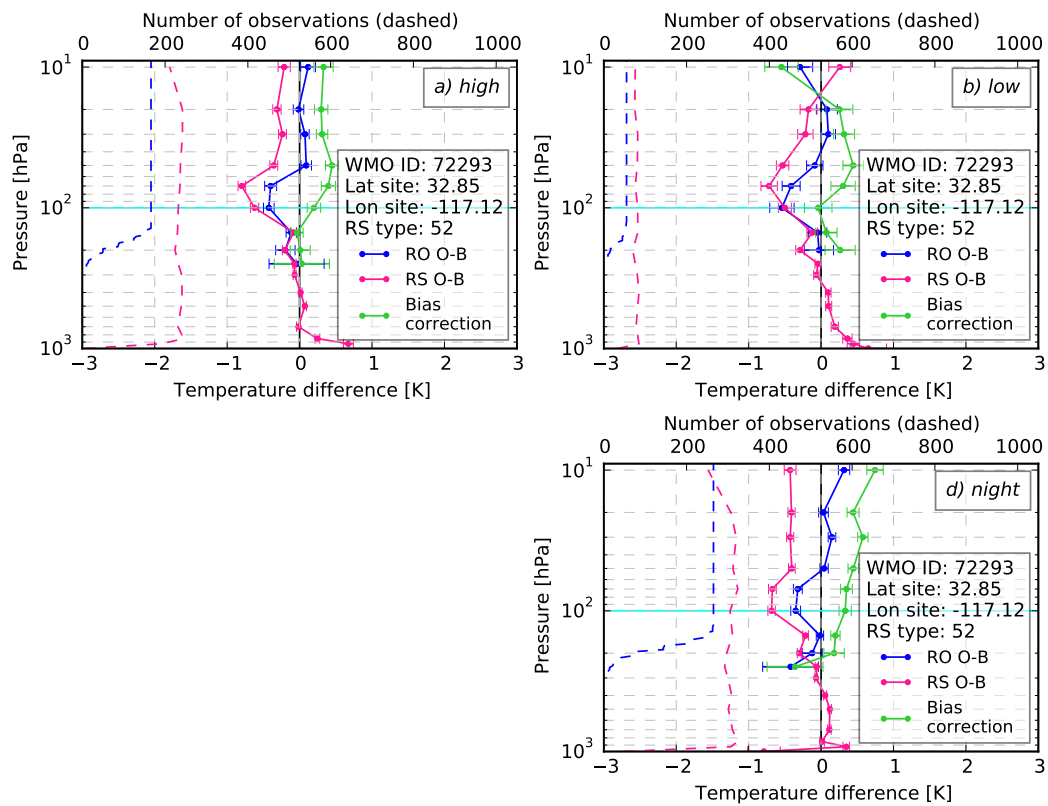
**Figure 1.529:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.530 WMO ID 72265



**Figure 1.530:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

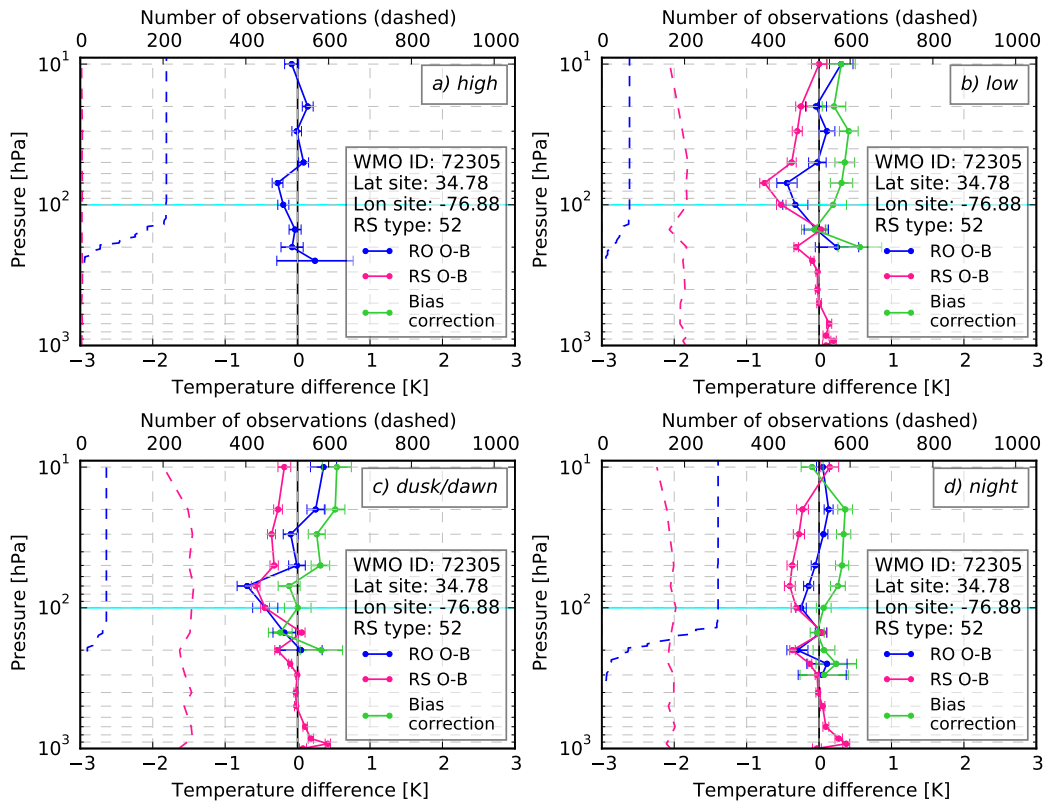
### 1.531 WMO ID 72293



**Figure 1.531:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

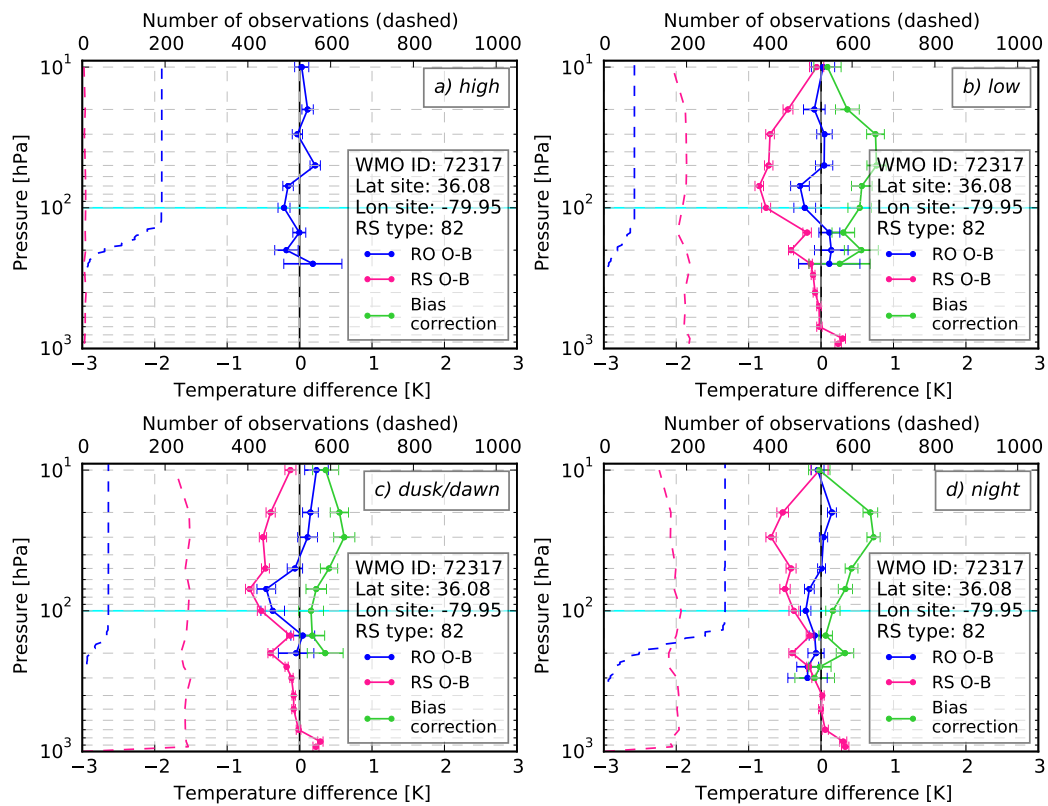


### 1.532 WMO ID 72305



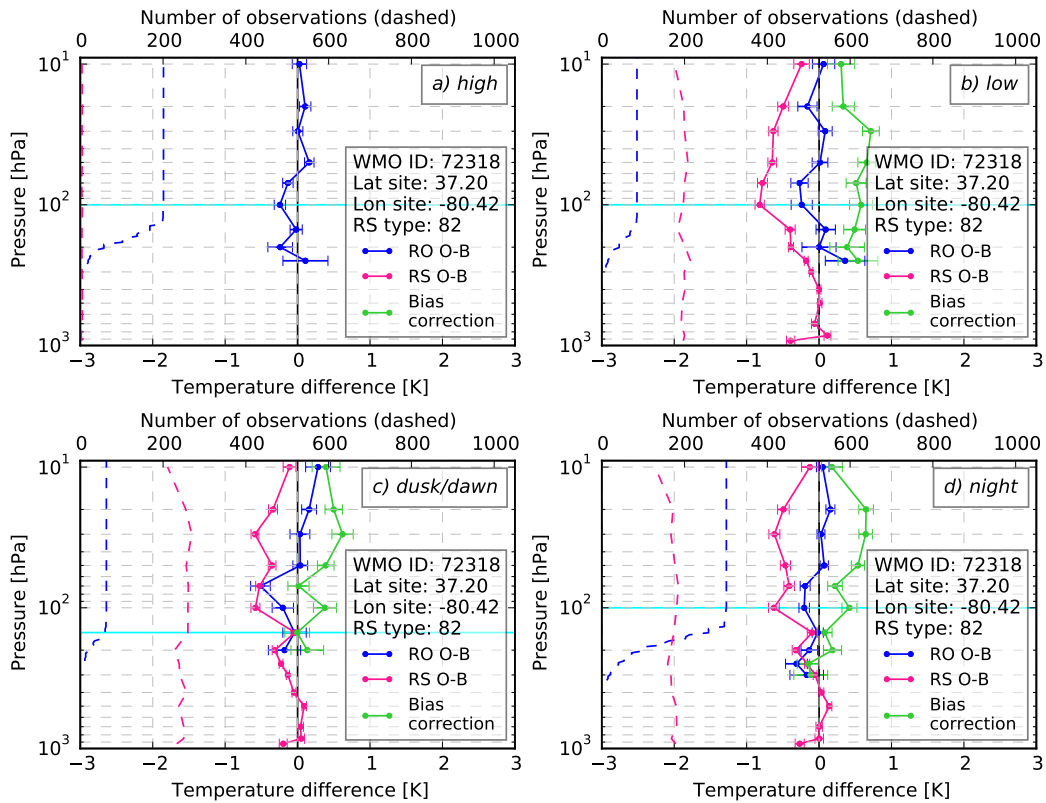
**Figure 1.532:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.533 WMO ID 72317



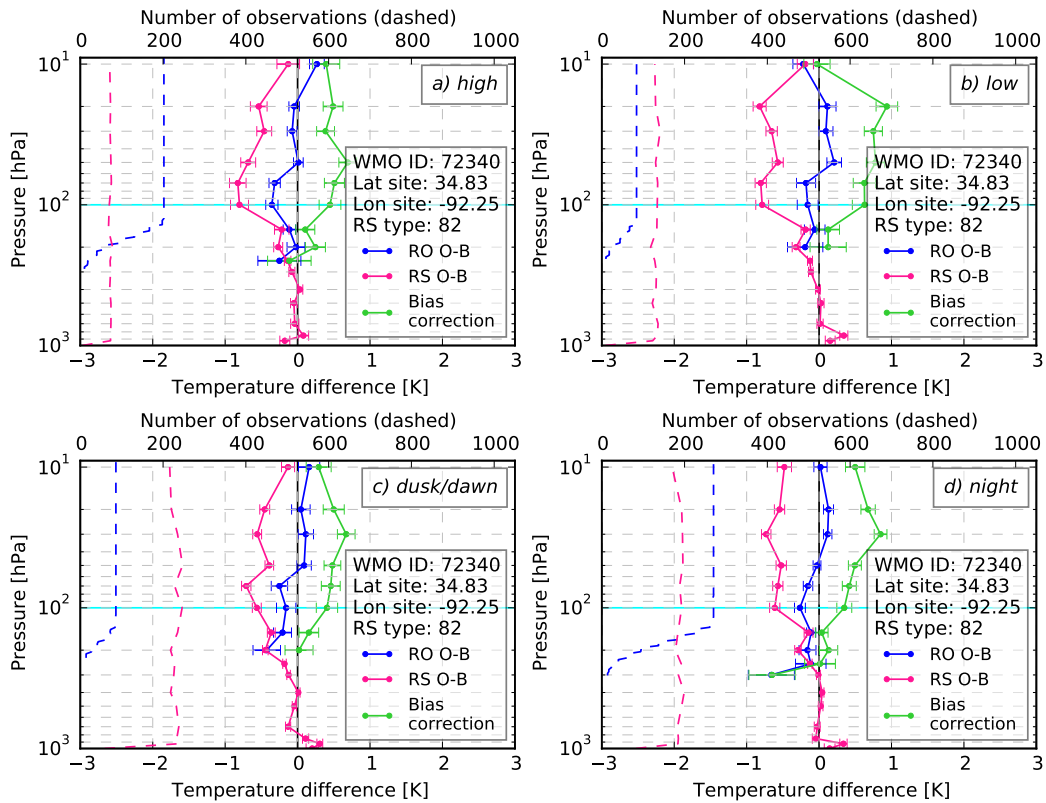
**Figure 1.533:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.534 WMO ID 72318



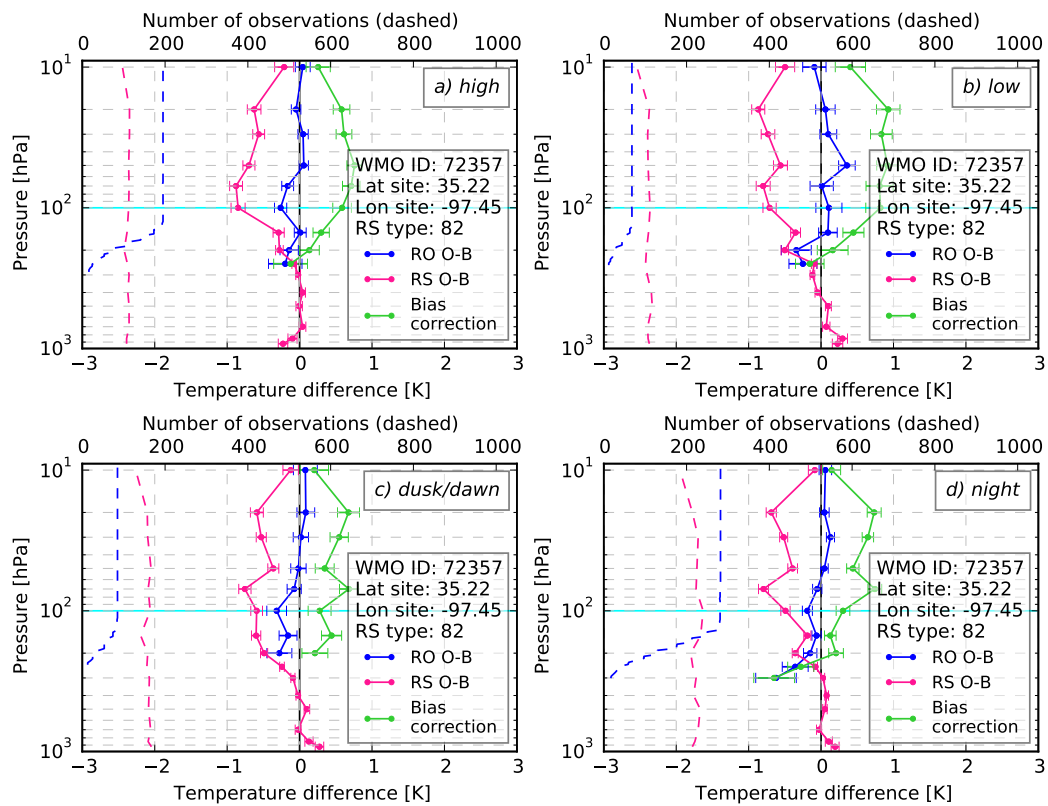
**Figure 1.534:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.535 WMO ID 72340



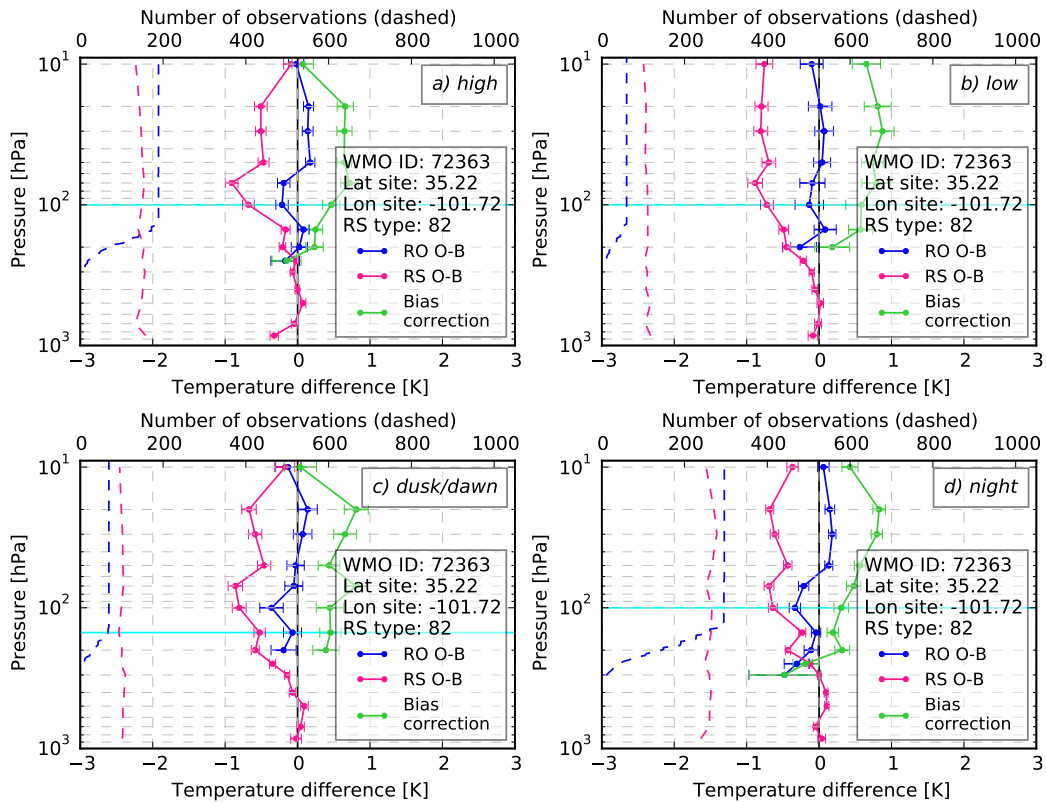
**Figure 1.535:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.536 WMO ID 72357



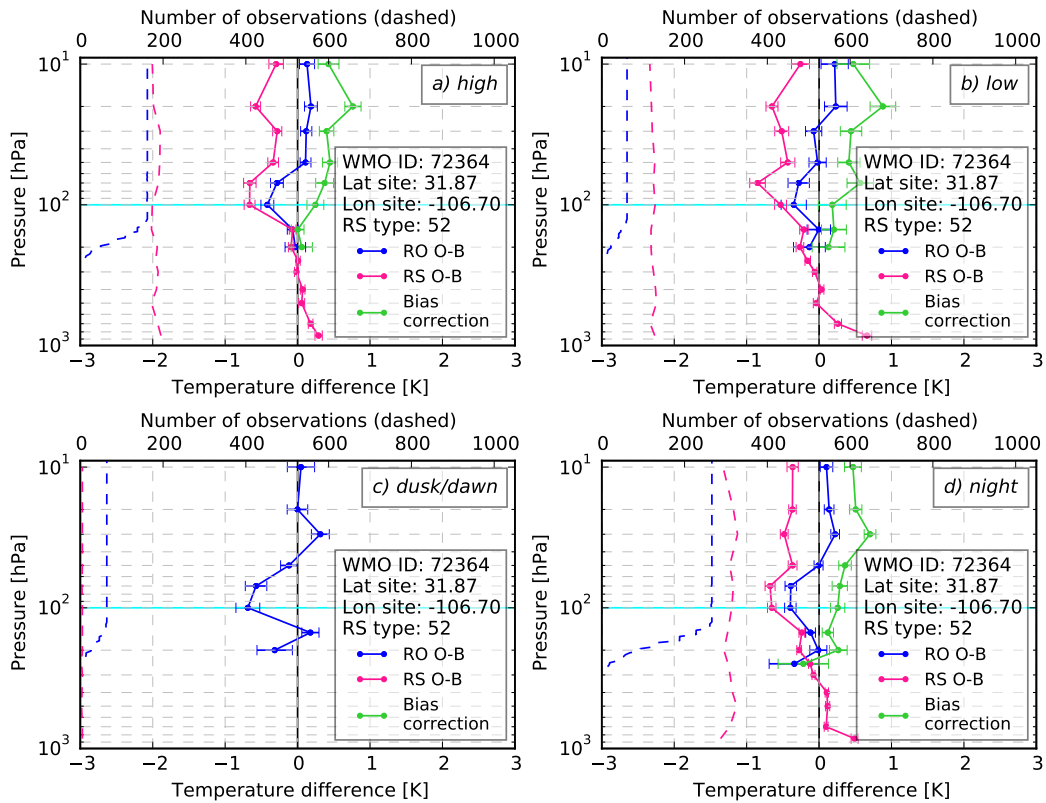
**Figure 1.536:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.537 WMO ID 72363



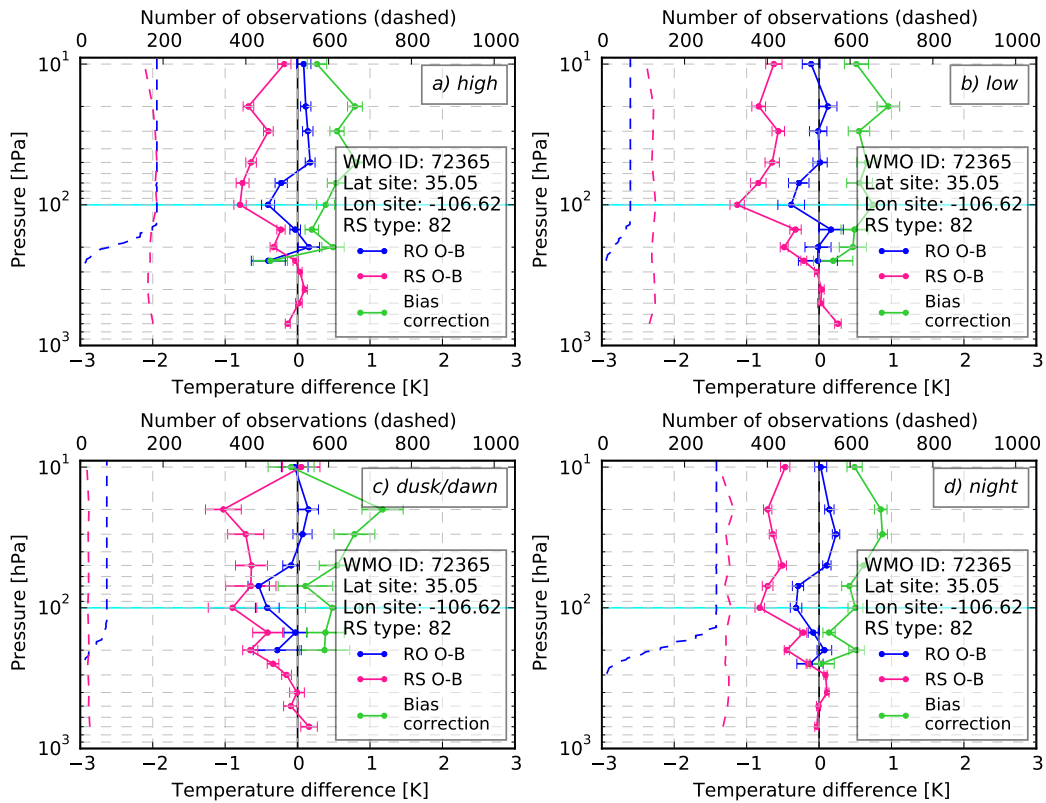
**Figure 1.537:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.538 WMO ID 72364



**Figure 1.538:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

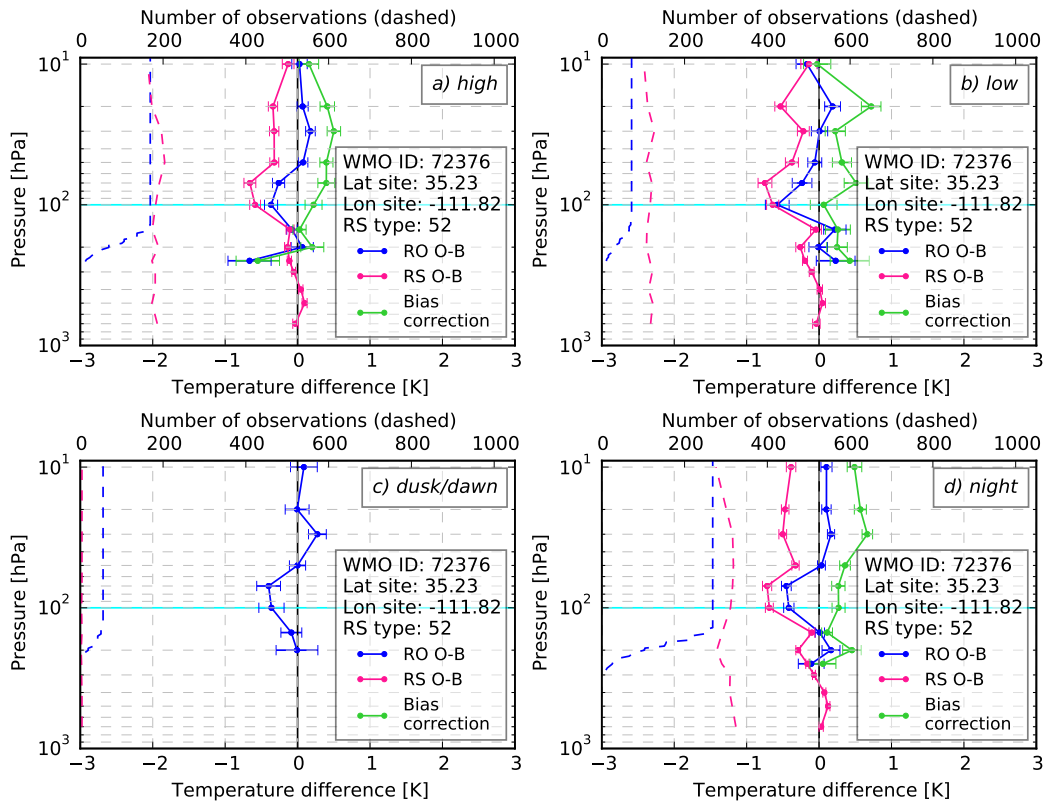
### 1.539 WMO ID 72365



**Figure 1.539:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

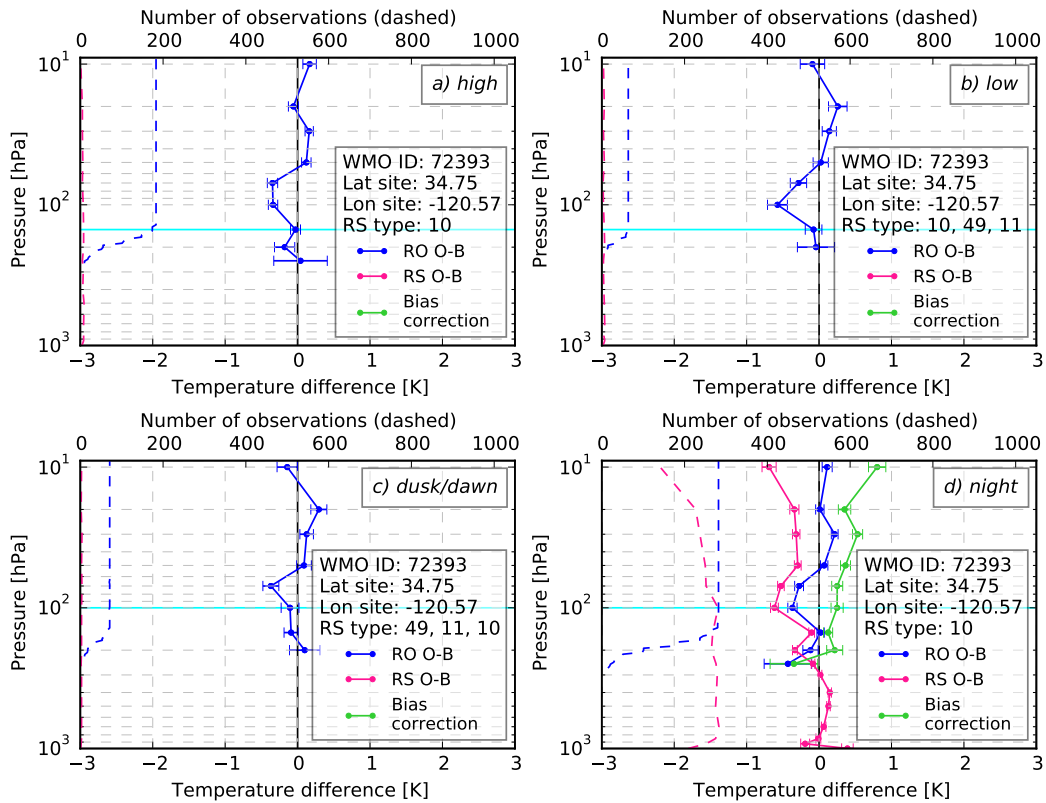


### 1.540 WMO ID 72376



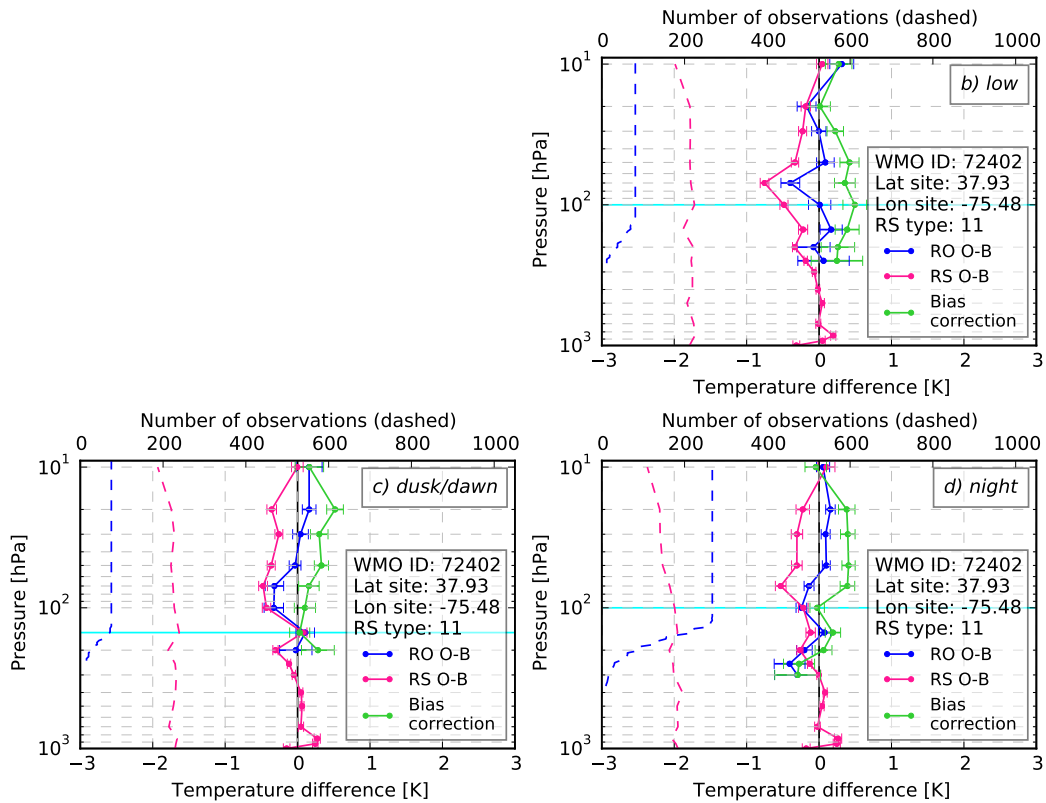
**Figure 1.540:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.541 WMO ID 72393



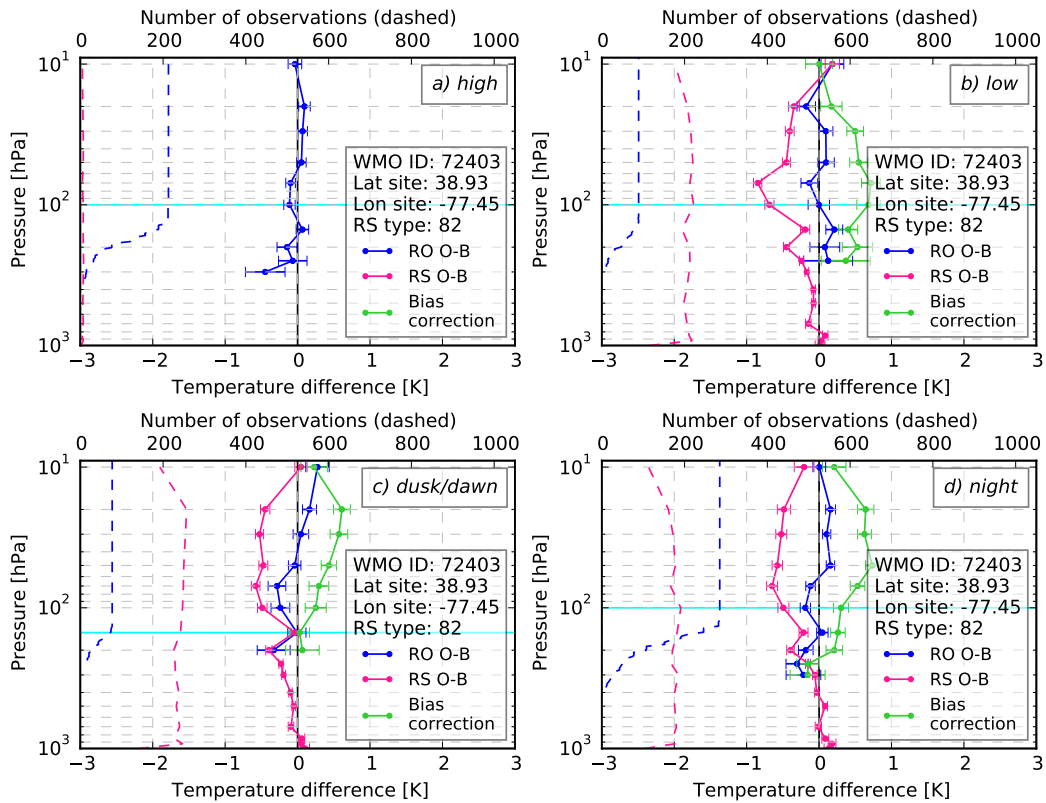
**Figure 1.541:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.542 WMO ID 72402



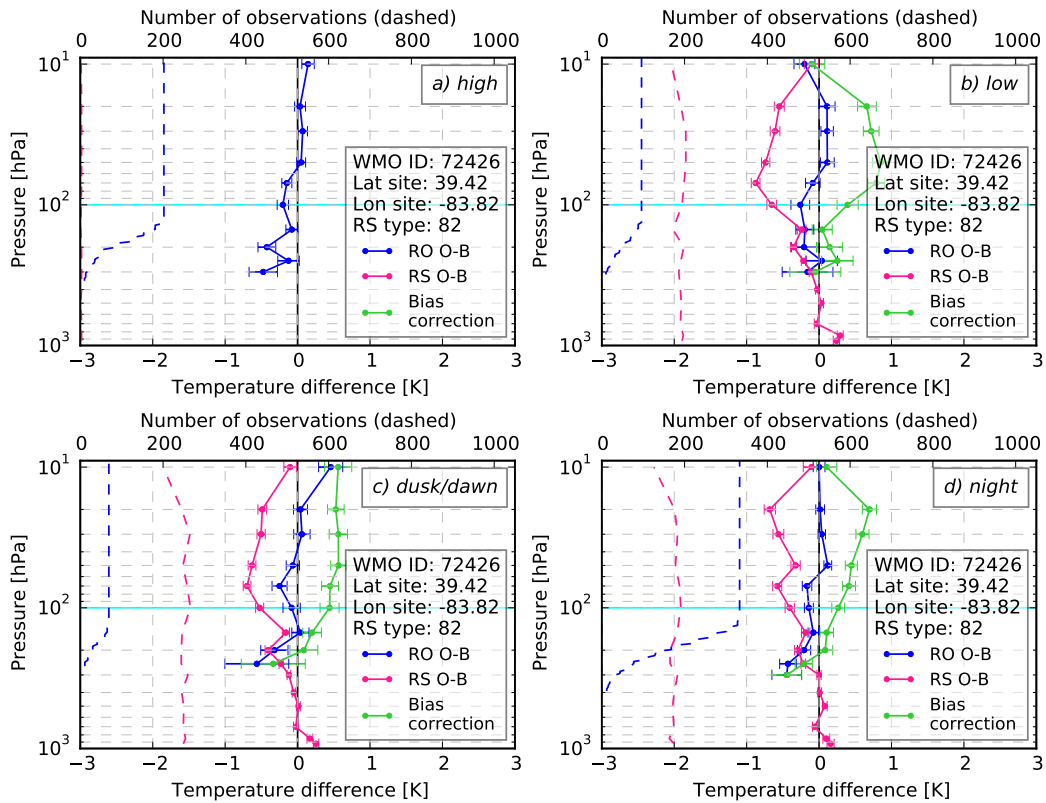
**Figure 1.542:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.543 WMO ID 72403



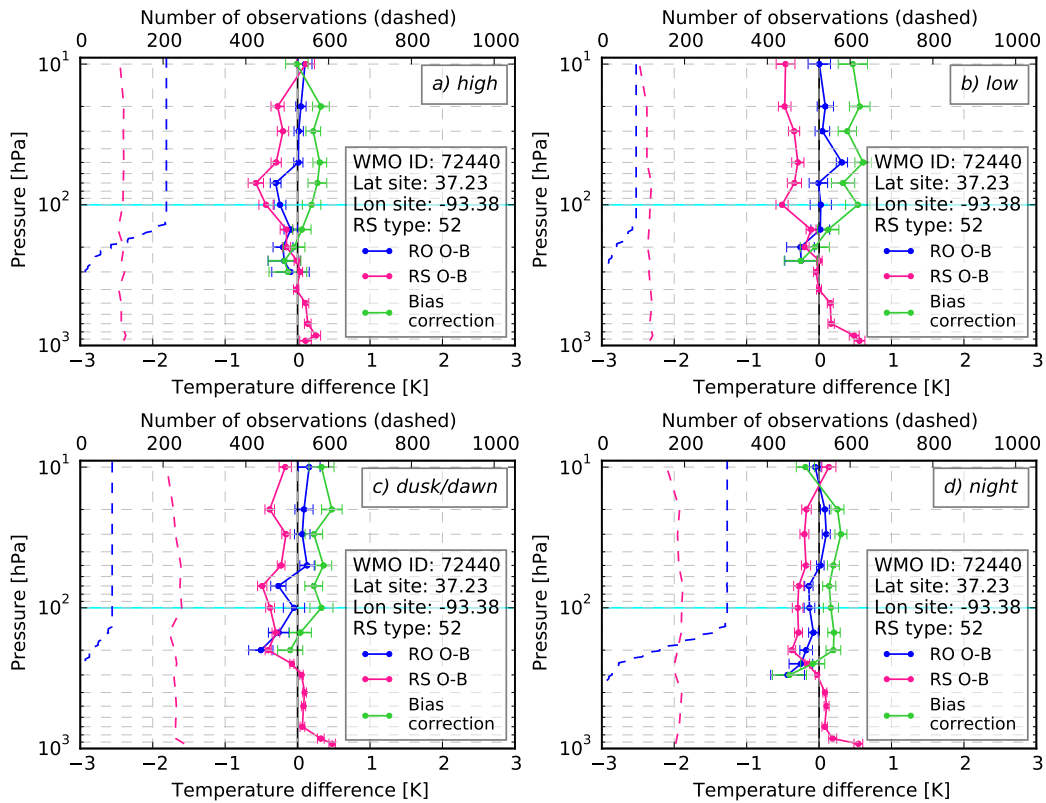
**Figure 1.543:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.544 WMO ID 72426



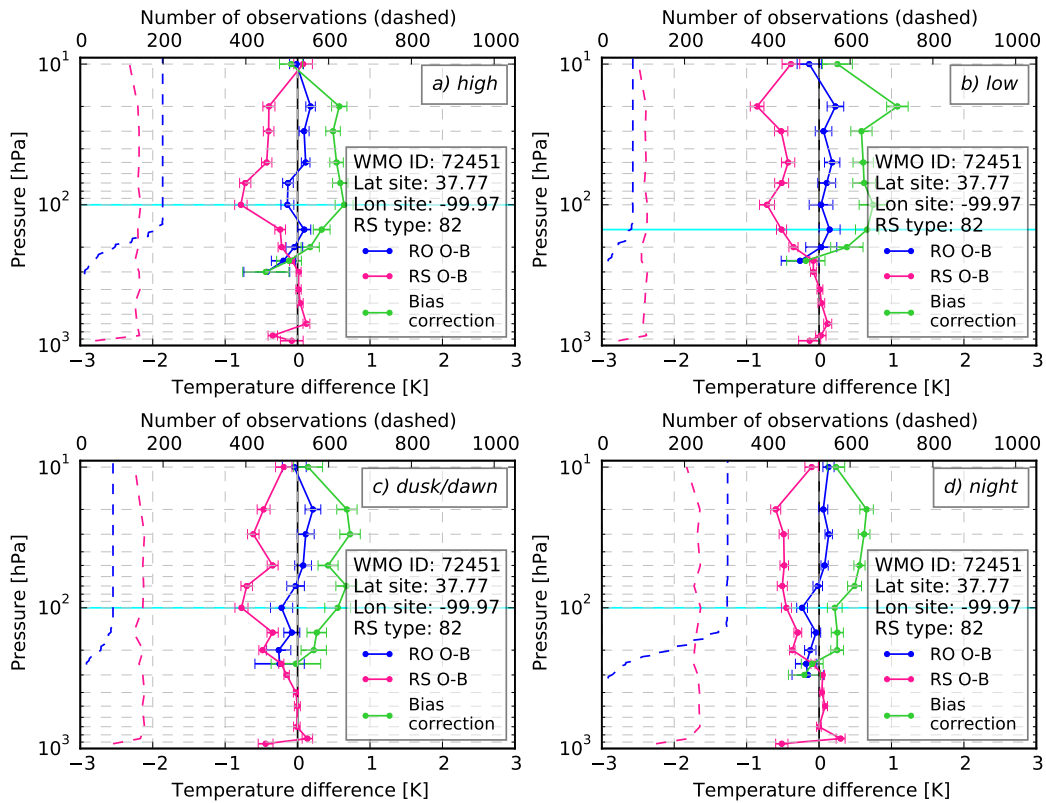
**Figure 1.544:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.545 WMO ID 72440



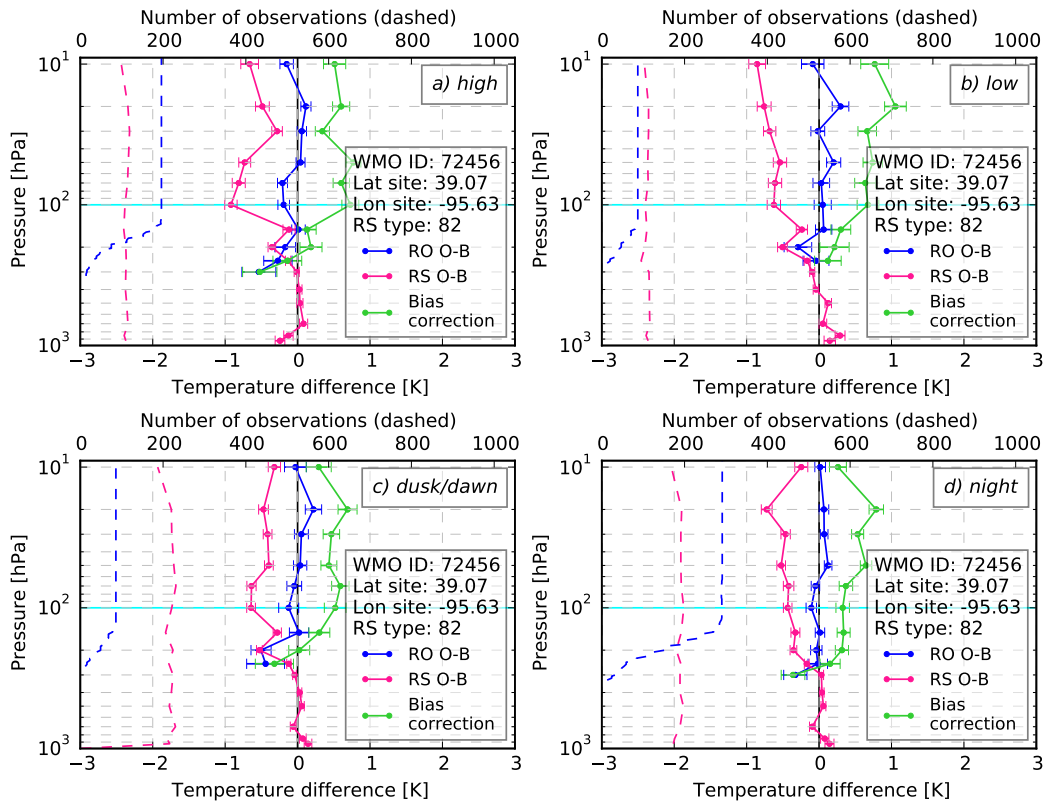
**Figure 1.545:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.546 WMO ID 72451



**Figure 1.546:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

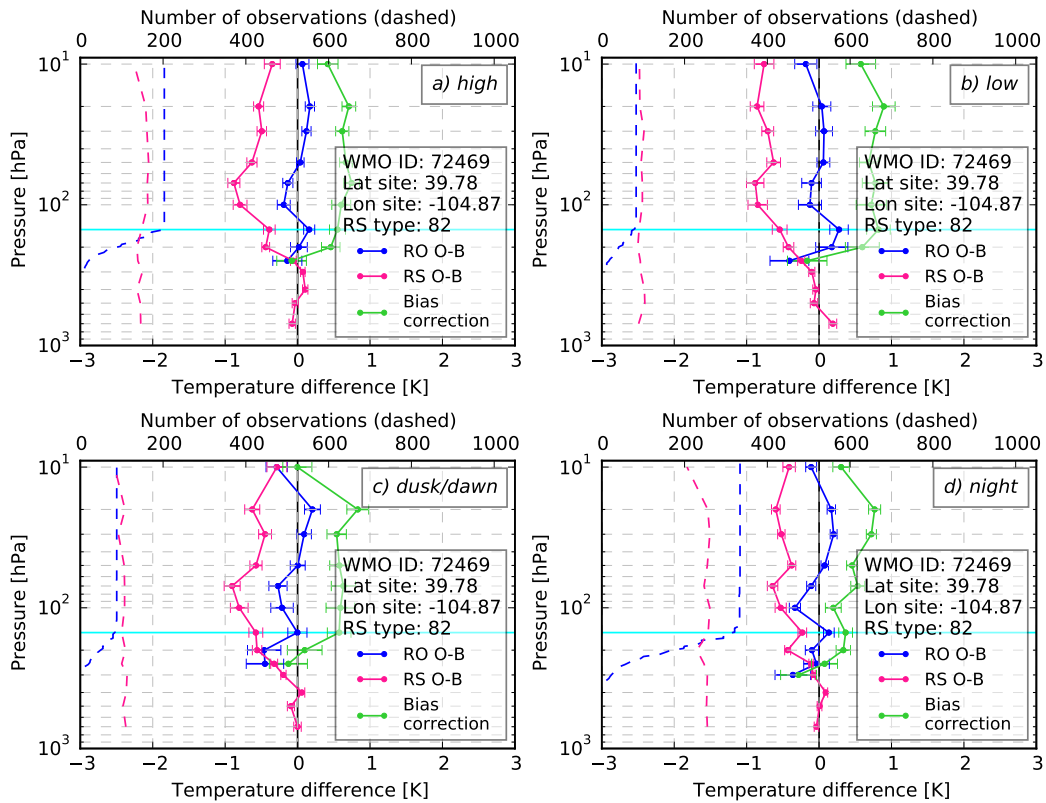
### 1.547 WMO ID 72456



**Figure 1.547:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

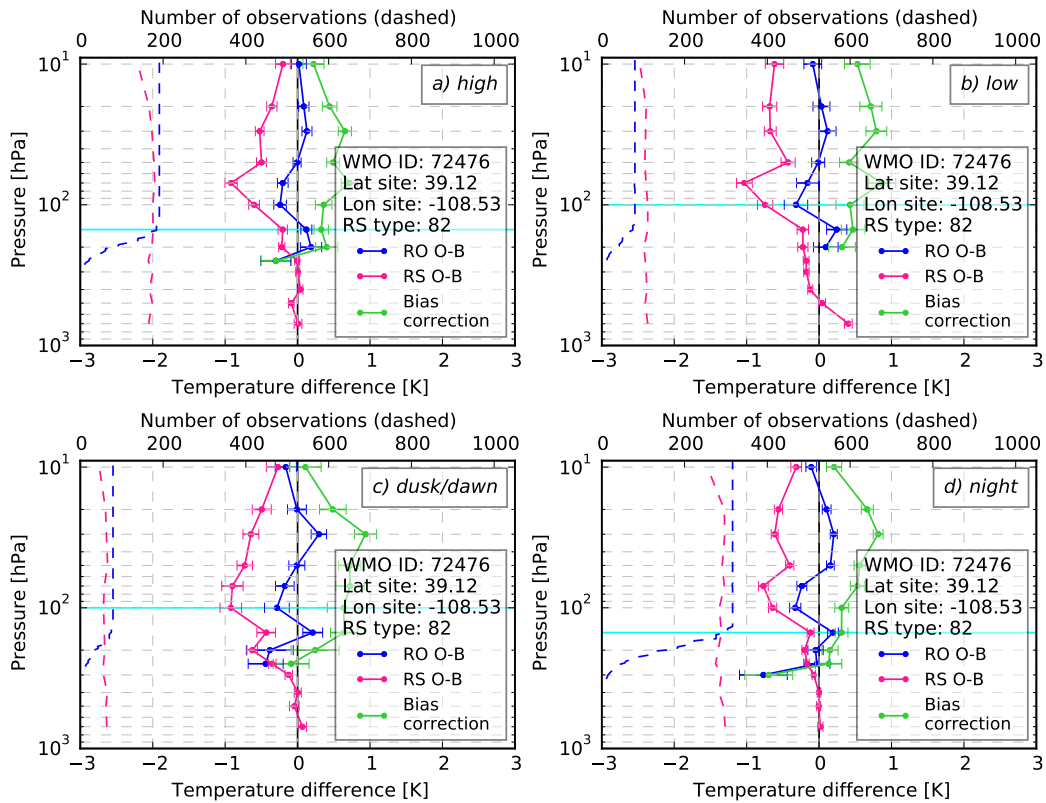


### 1.548 WMO ID 72469



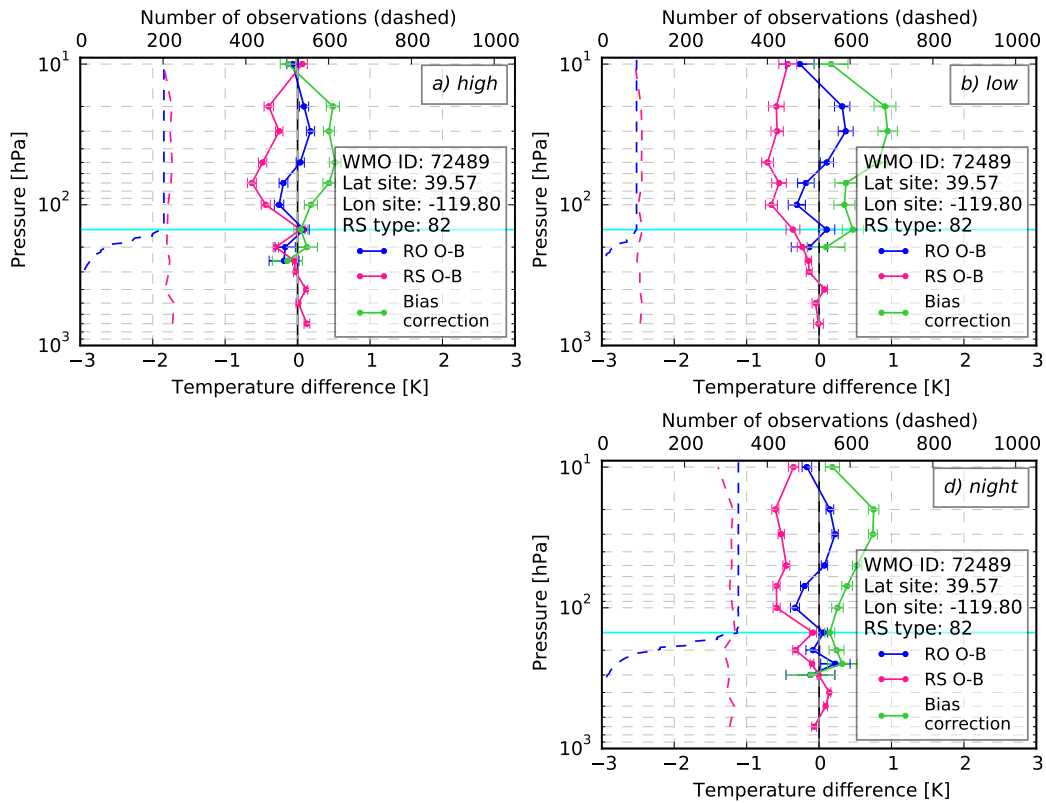
**Figure 1.548:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.549 WMO ID 72476



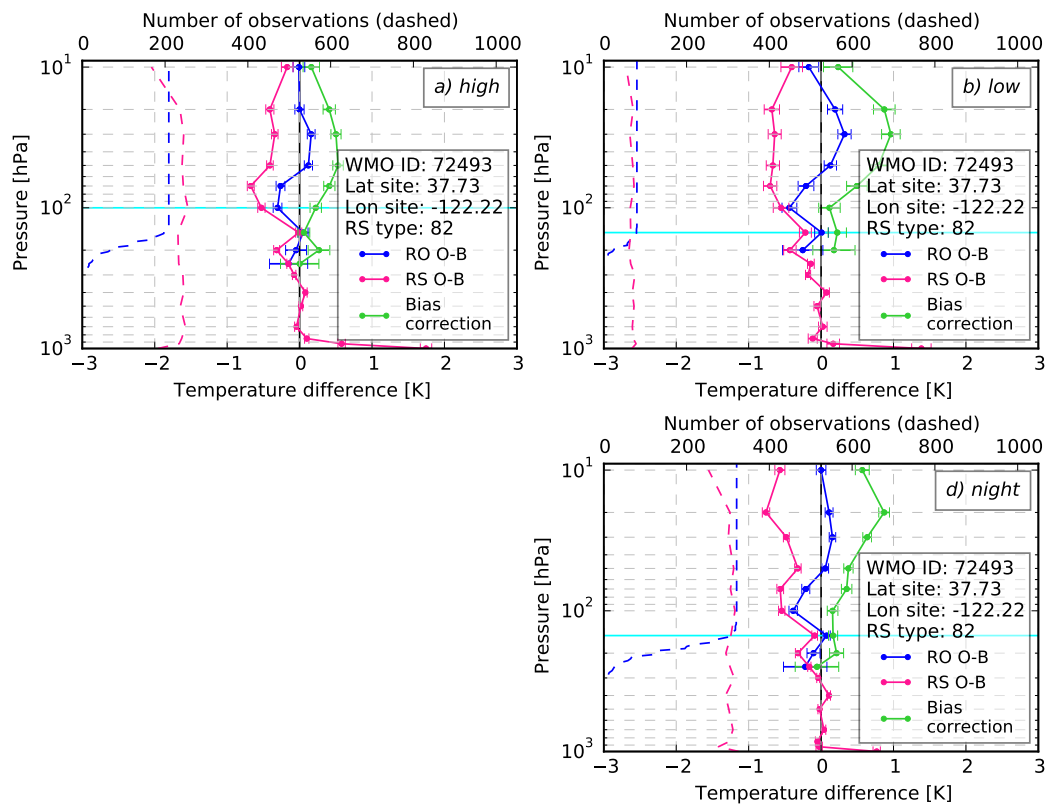
**Figure 1.549:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.550 WMO ID 72489



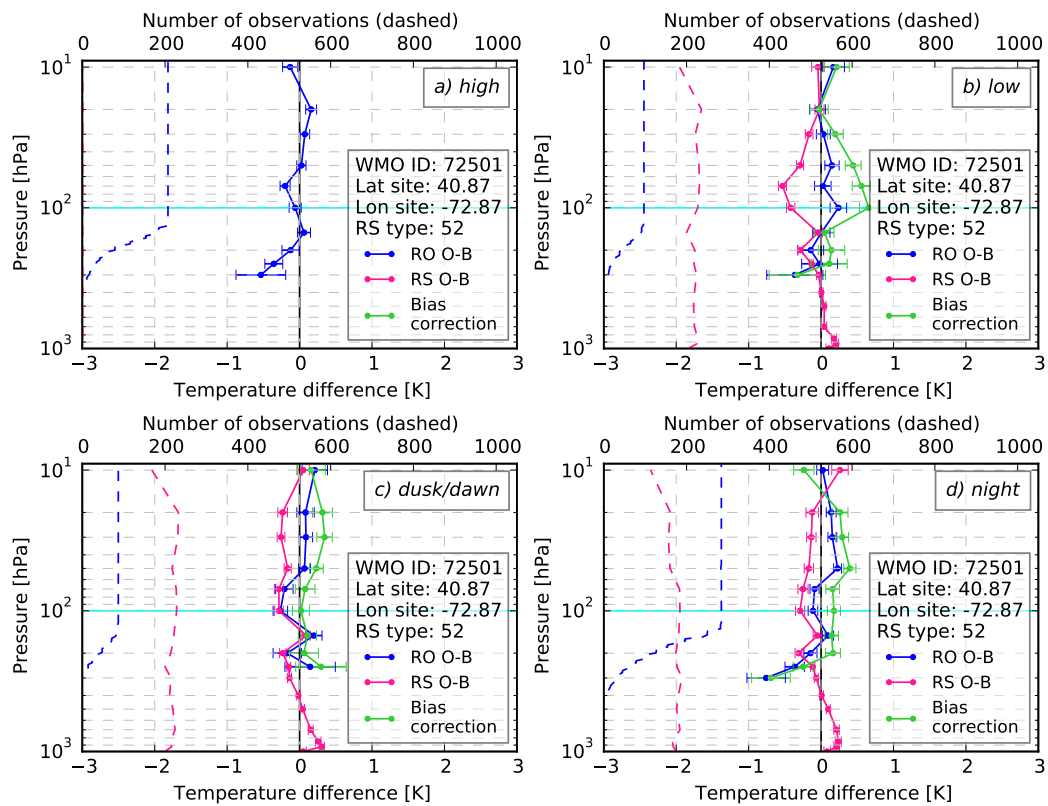
**Figure 1.550:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.551 WMO ID 72493



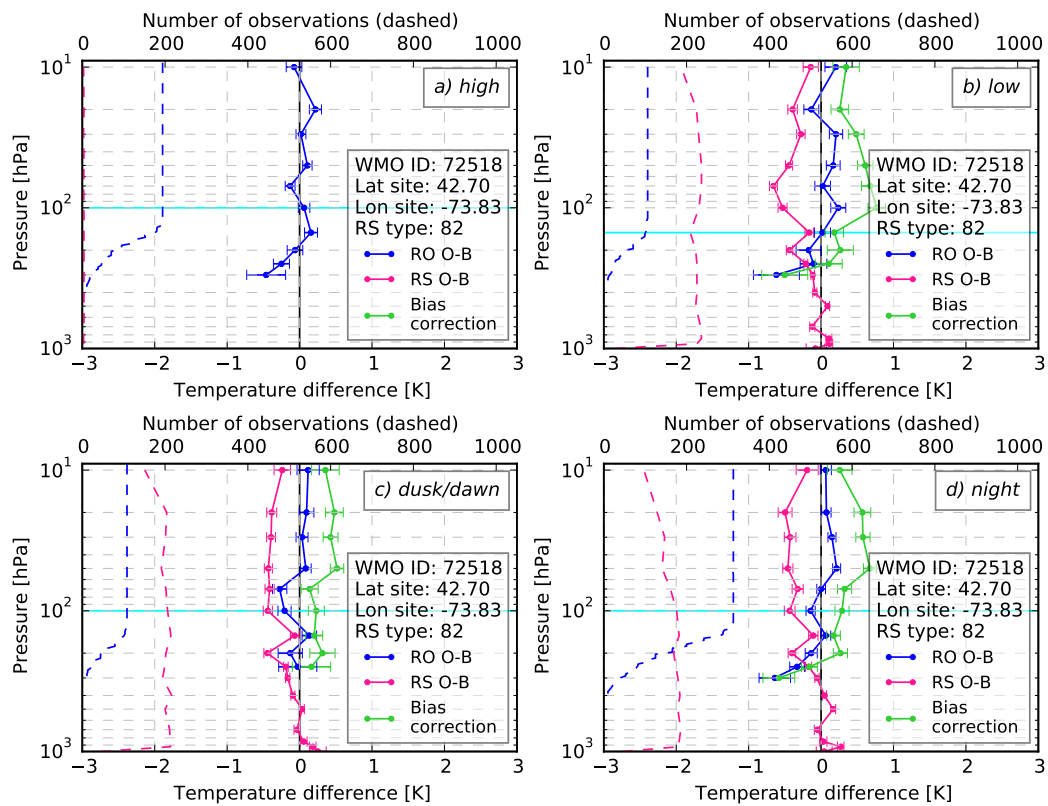
**Figure 1.551:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.552 WMO ID 72501



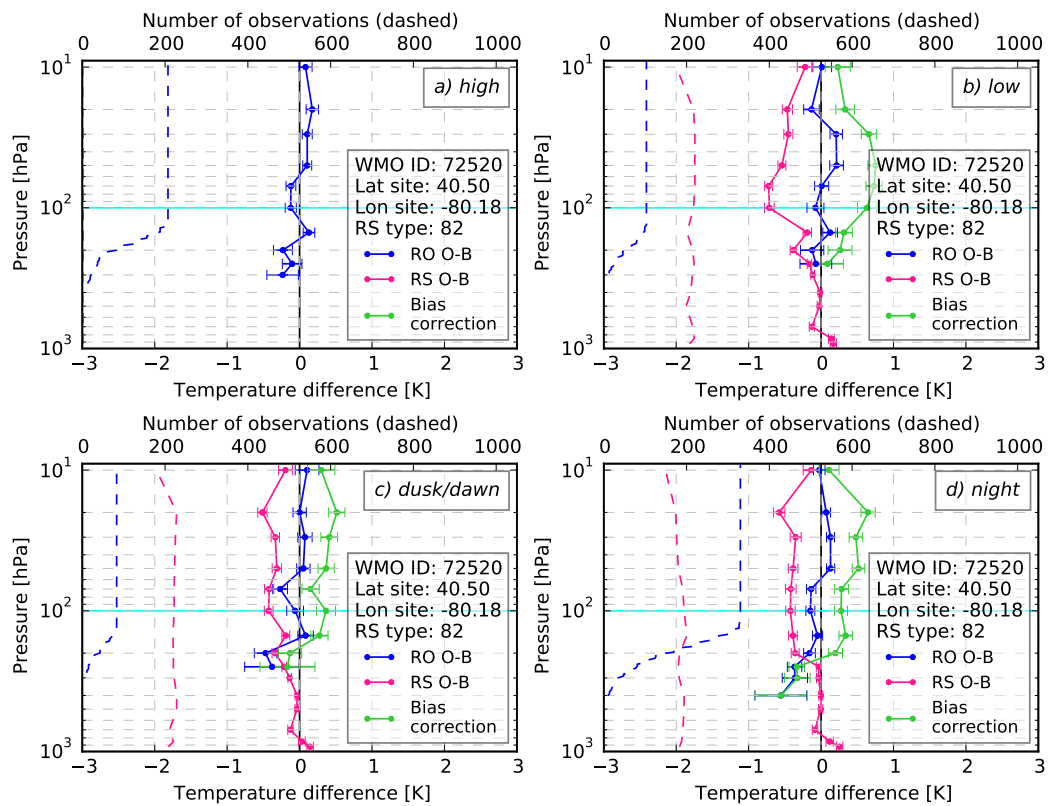
**Figure 1.552:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.553 WMO ID 72518



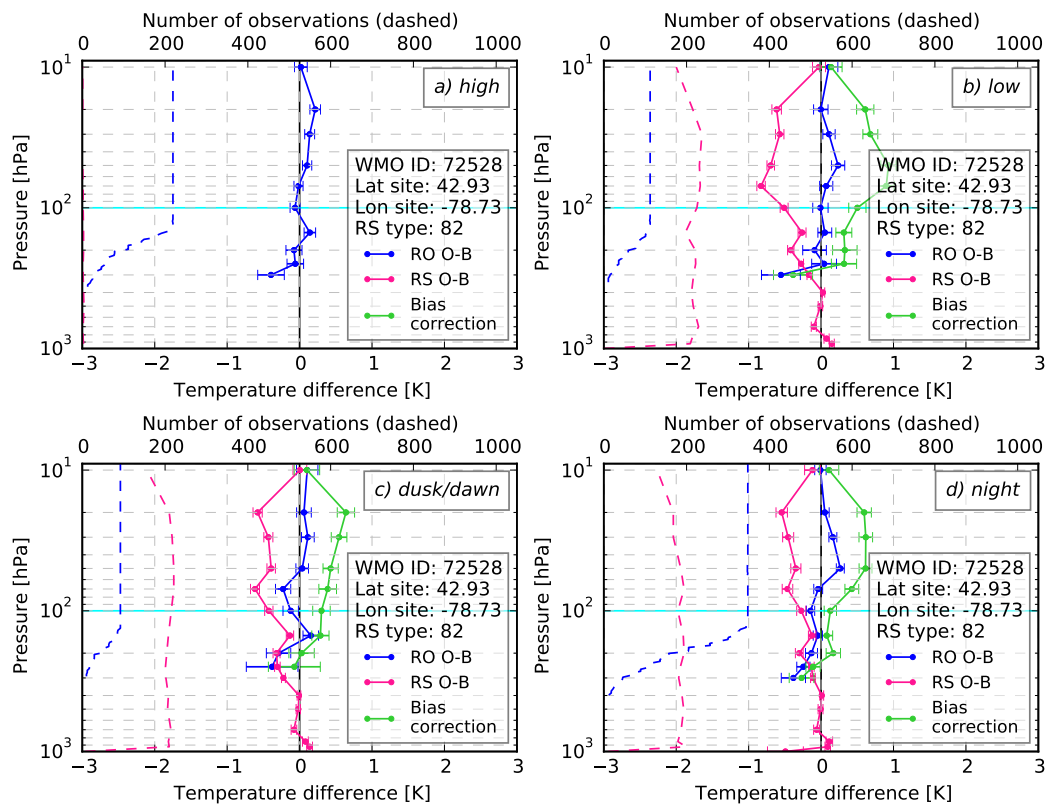
**Figure 1.553:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.554 WMO ID 72520



**Figure 1.554:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

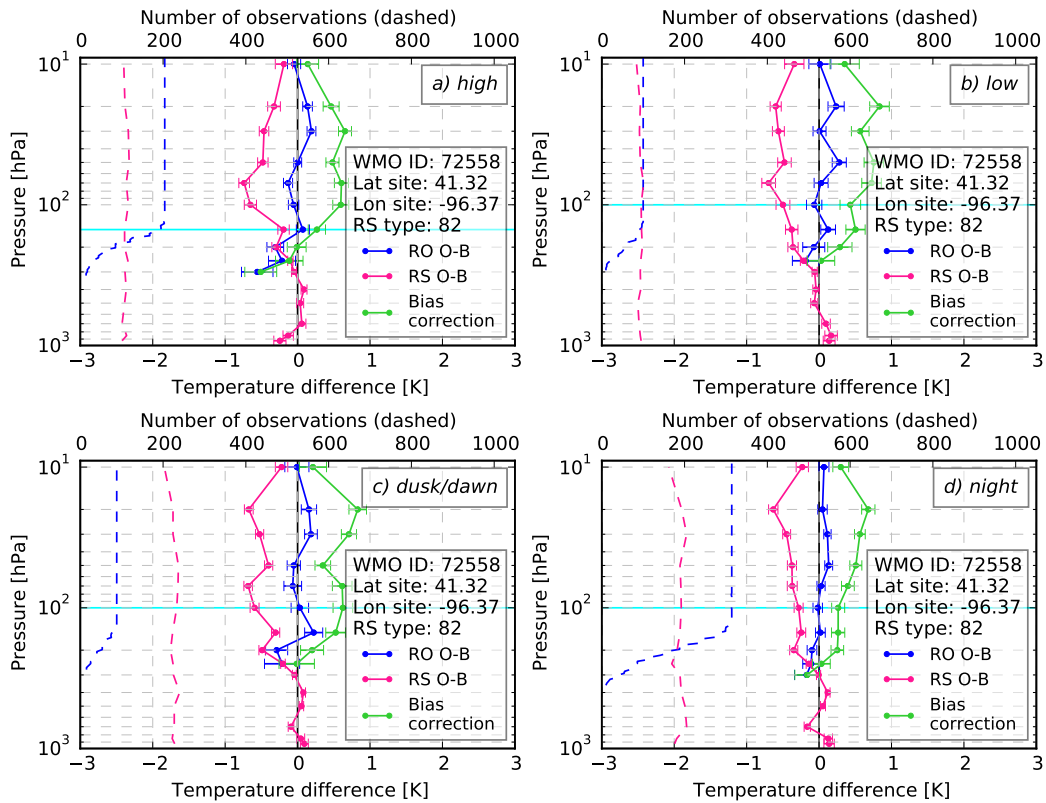
### 1.555 WMO ID 72528



**Figure 1.555:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

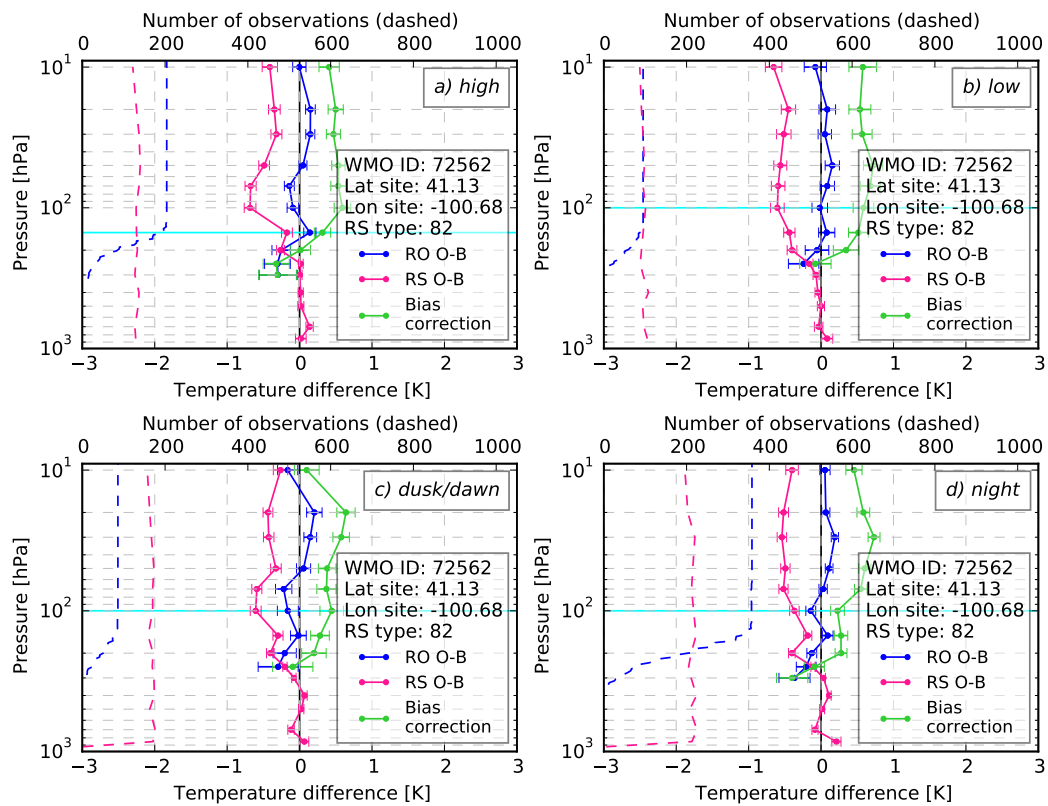


### 1.556 WMO ID 72558



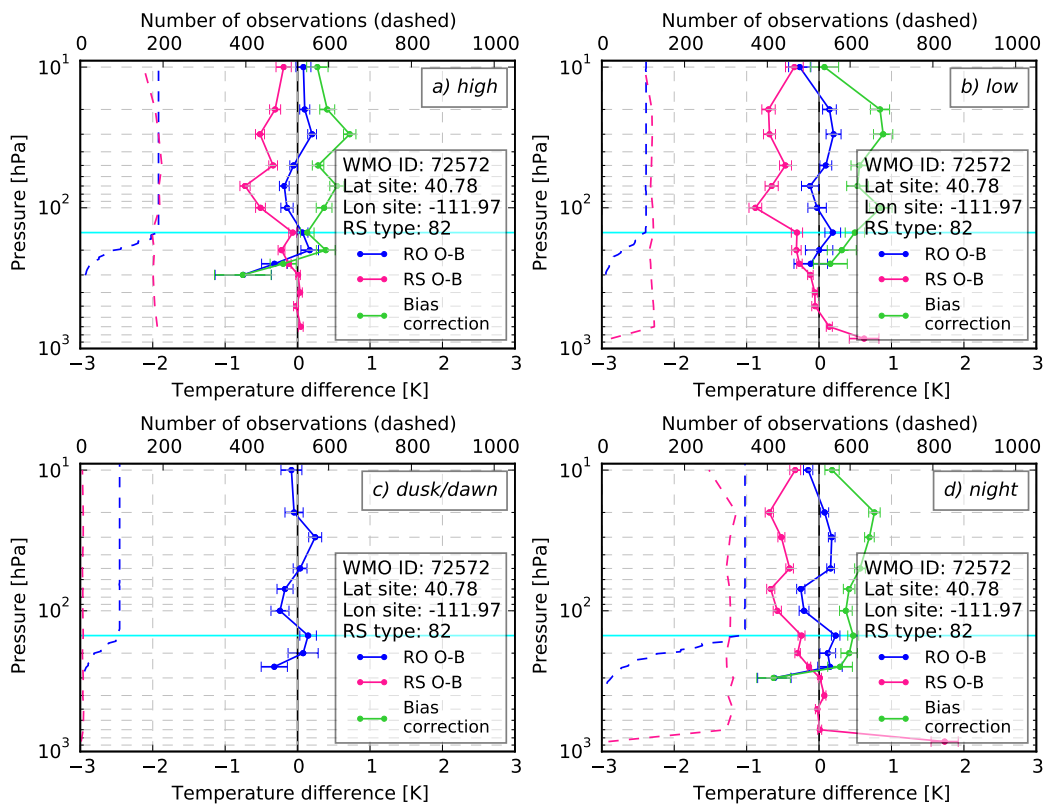
**Figure 1.556:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.557 WMO ID 72562



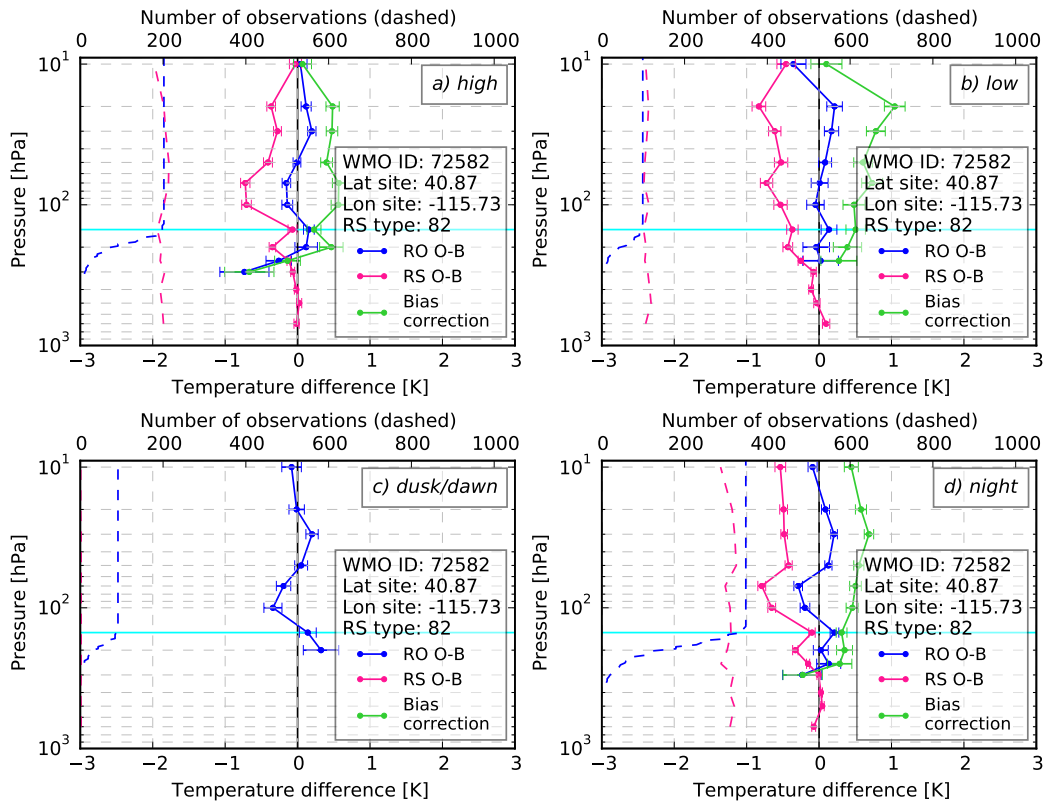
**Figure 1.557:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.558 WMO ID 72572



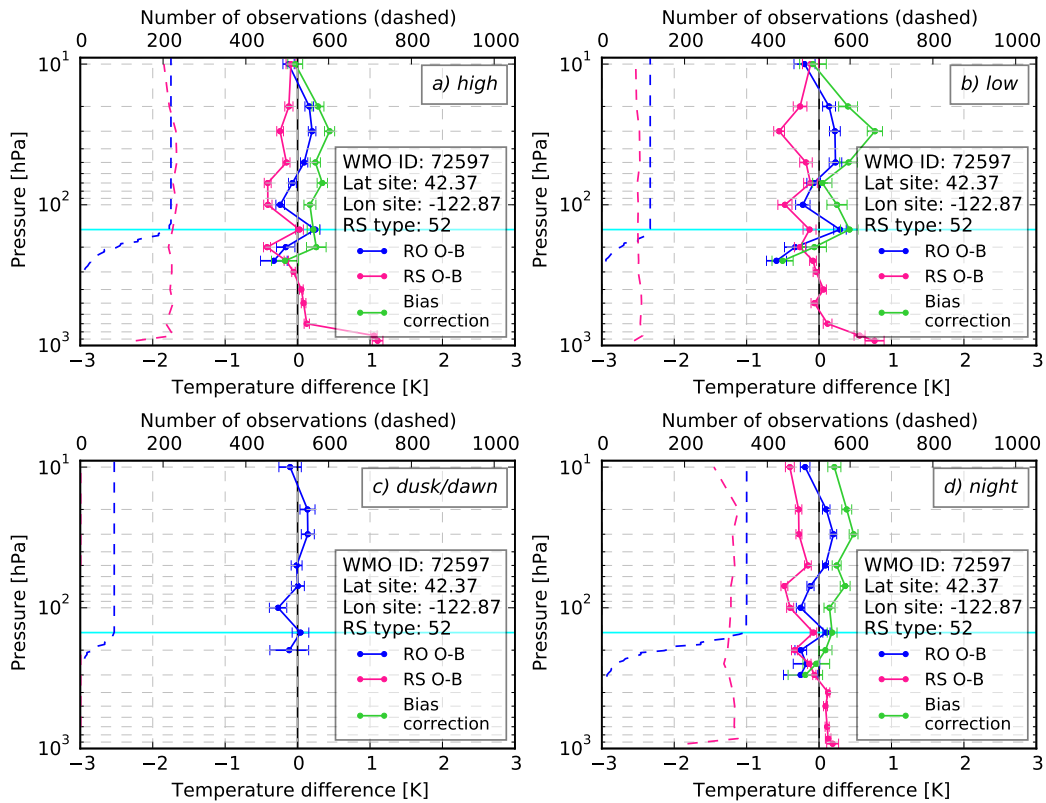
**Figure 1.558:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.559 WMO ID 72582



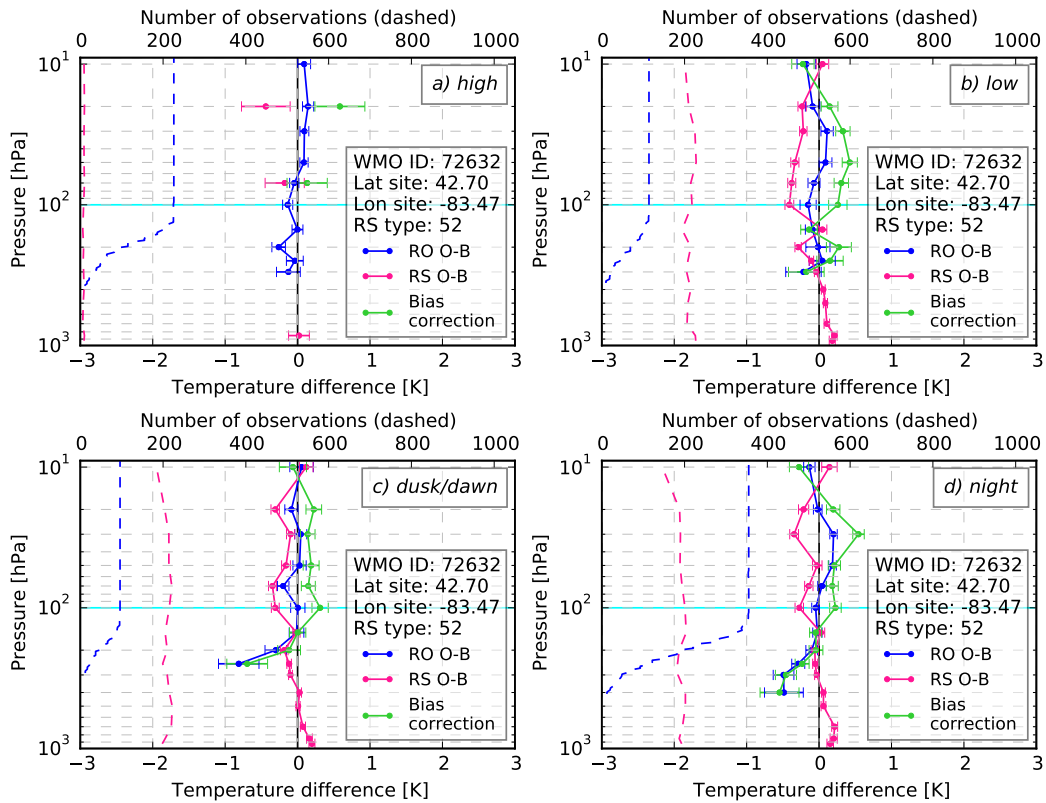
**Figure 1.559:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.560 WMO ID 72597



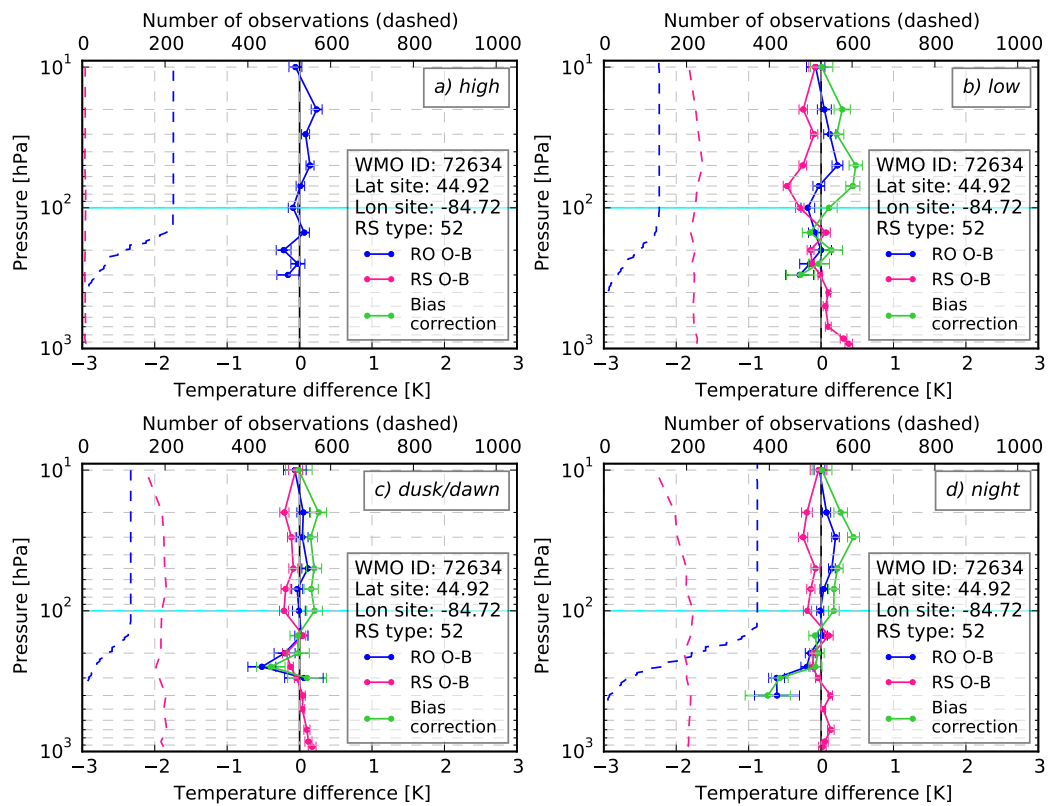
**Figure 1.560:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.561 WMO ID 72632



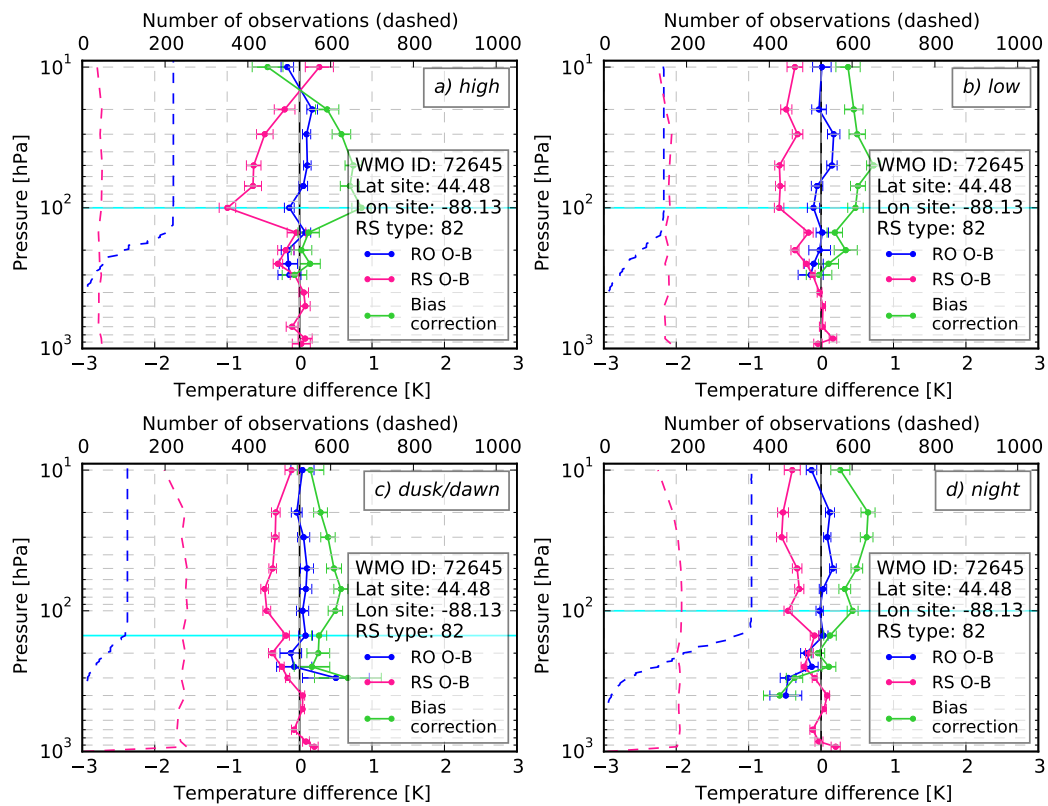
**Figure 1.561:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.562 WMO ID 72634



**Figure 1.562:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

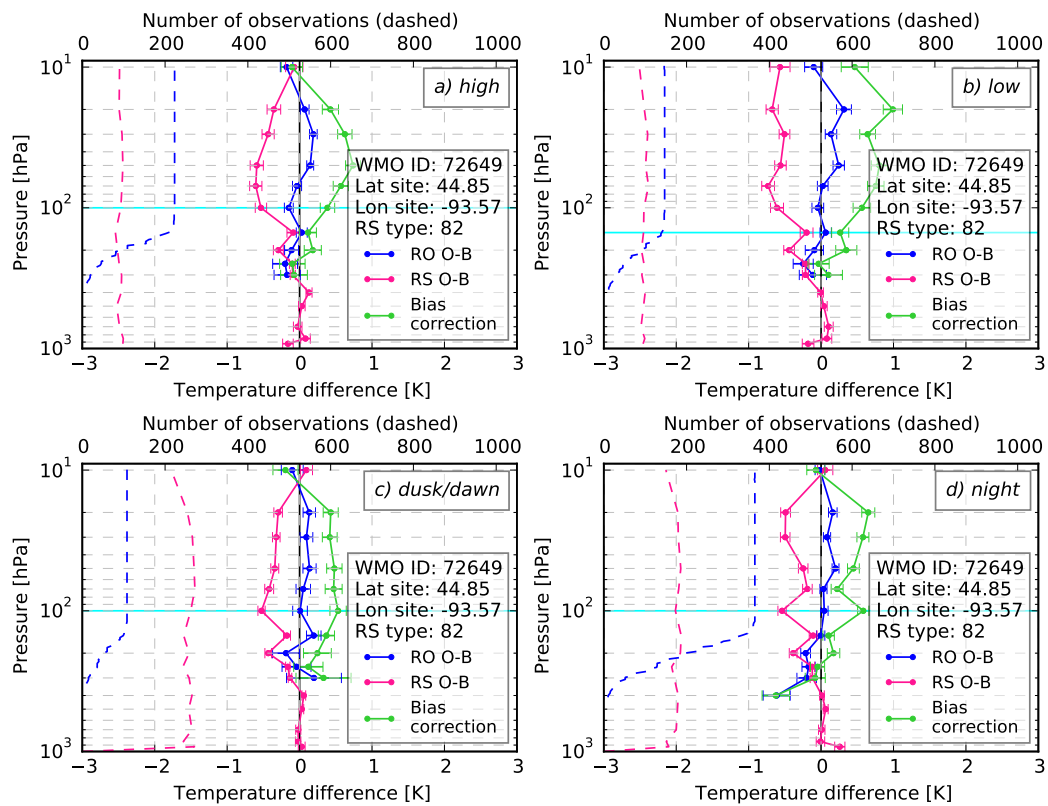
### 1.563 WMO ID 72645



**Figure 1.563:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

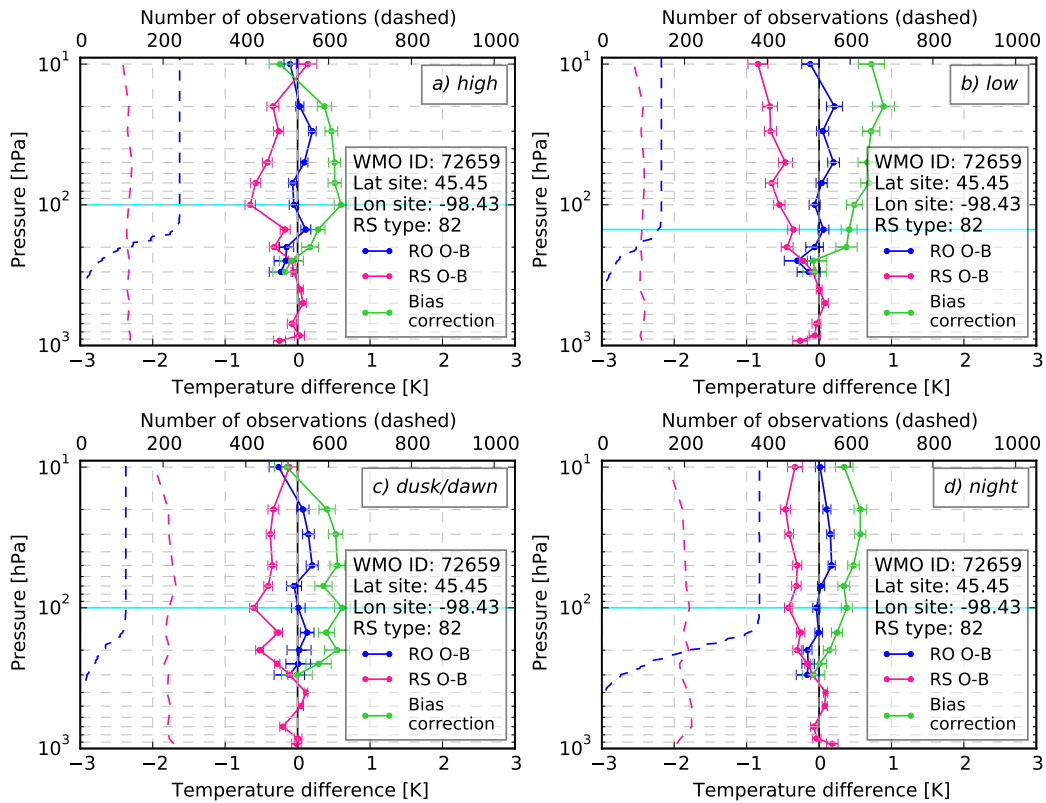


### 1.564 WMO ID 72649



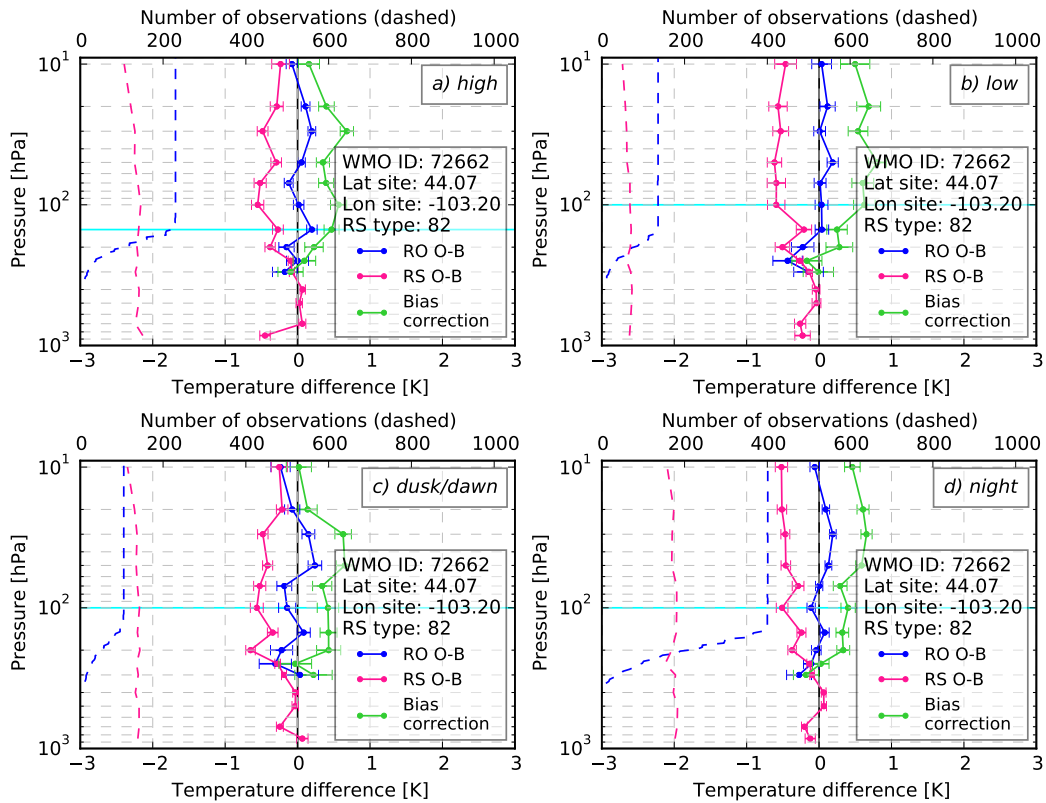
**Figure 1.564:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.565 WMO ID 72659



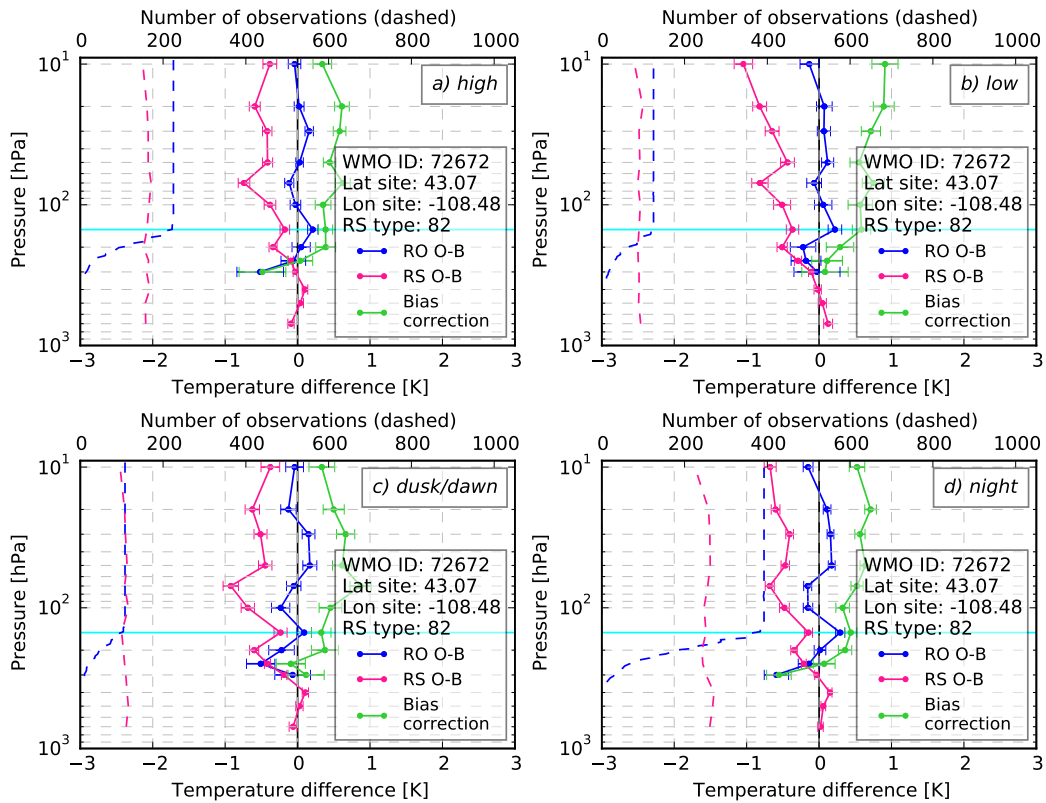
**Figure 1.565:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.566 WMO ID 72662



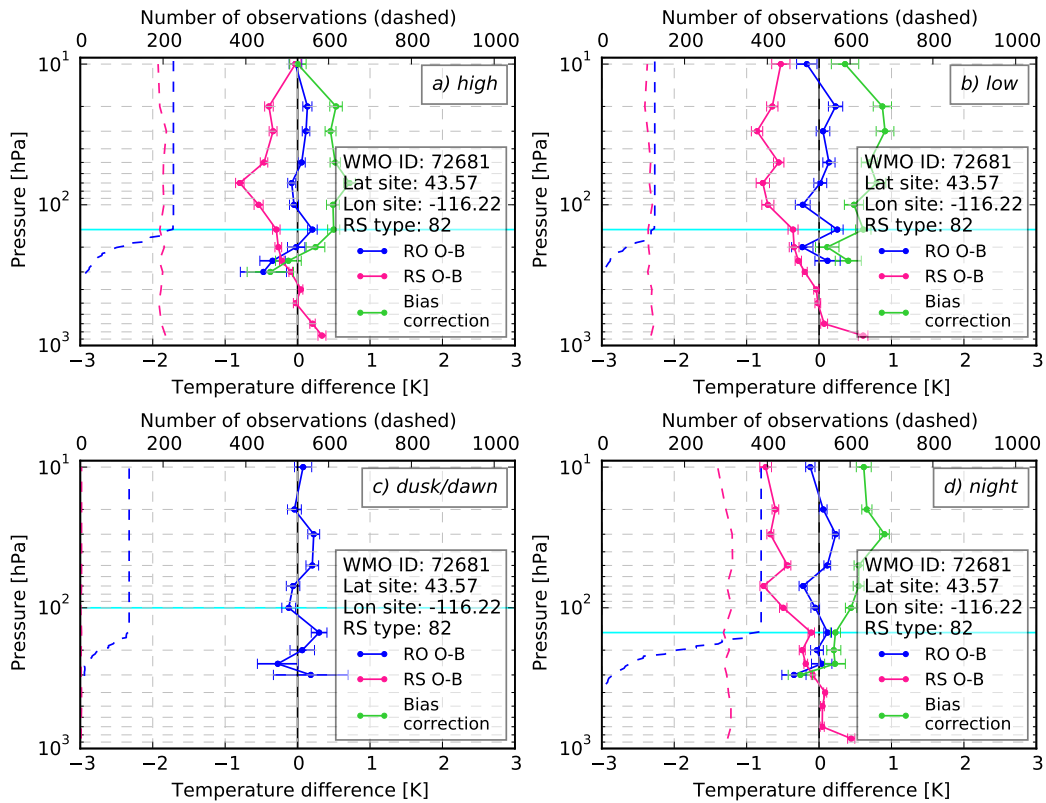
**Figure 1.566:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.567 WMO ID 72672



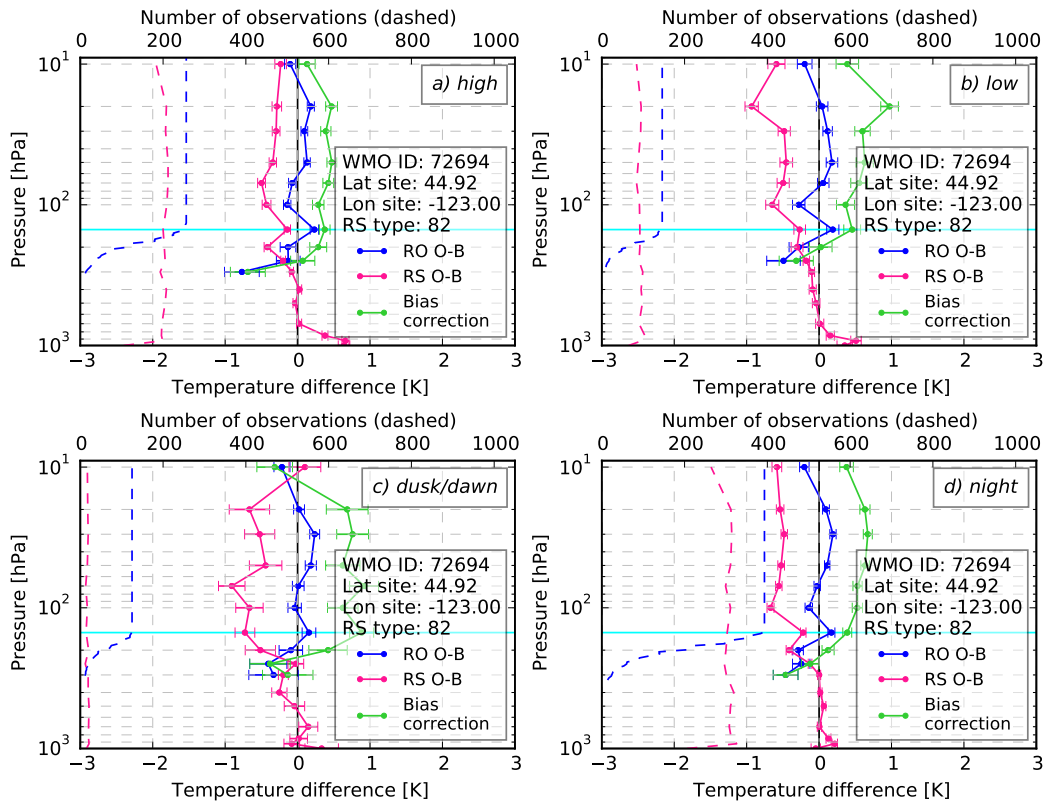
**Figure 1.567:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.568 WMO ID 72681



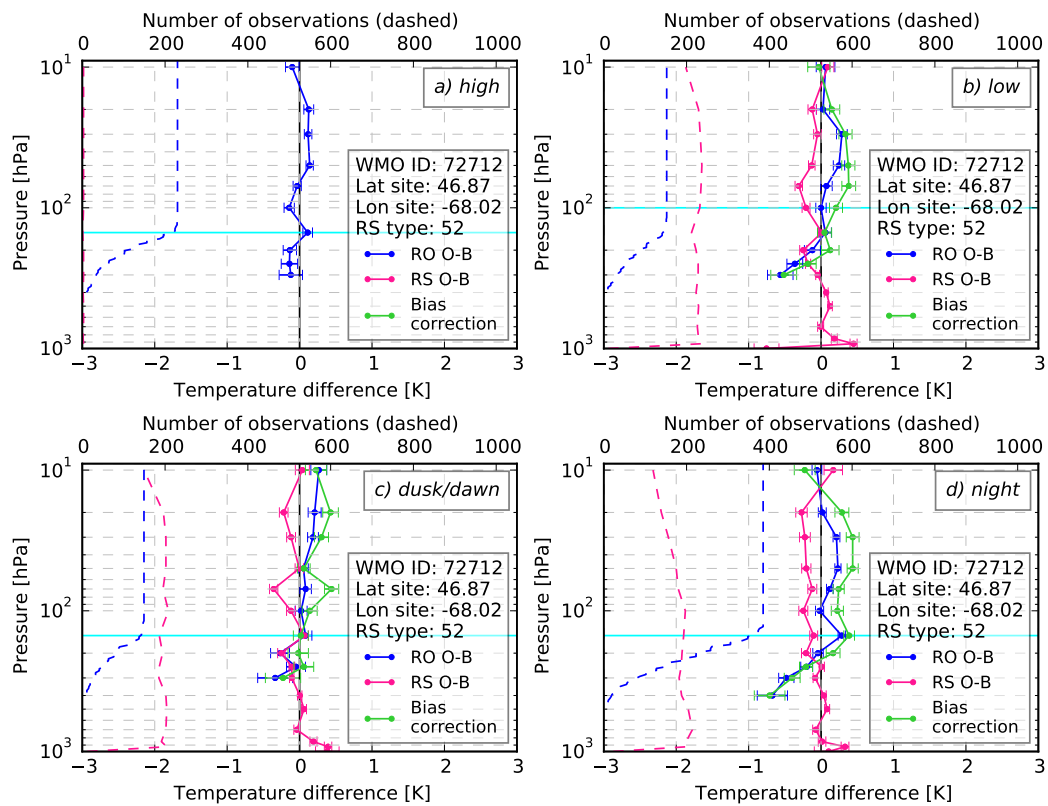
**Figure 1.568:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.569 WMO ID 72694



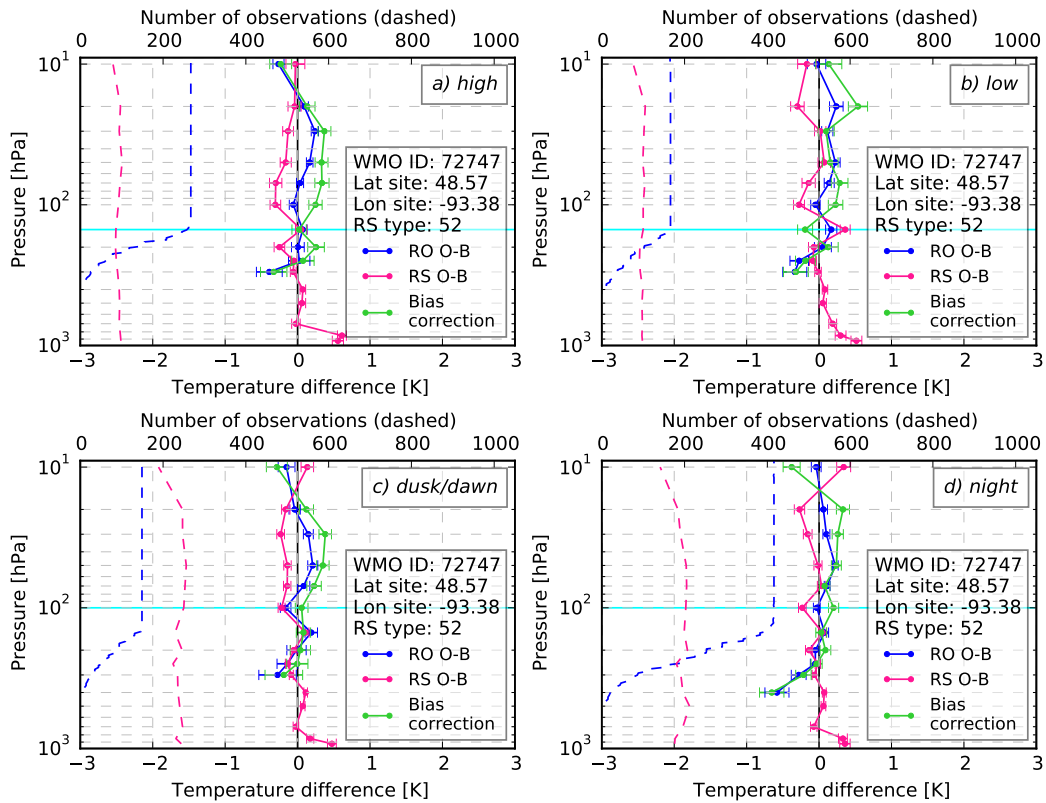
**Figure 1.569:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.570 WMO ID 72712



**Figure 1.570:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

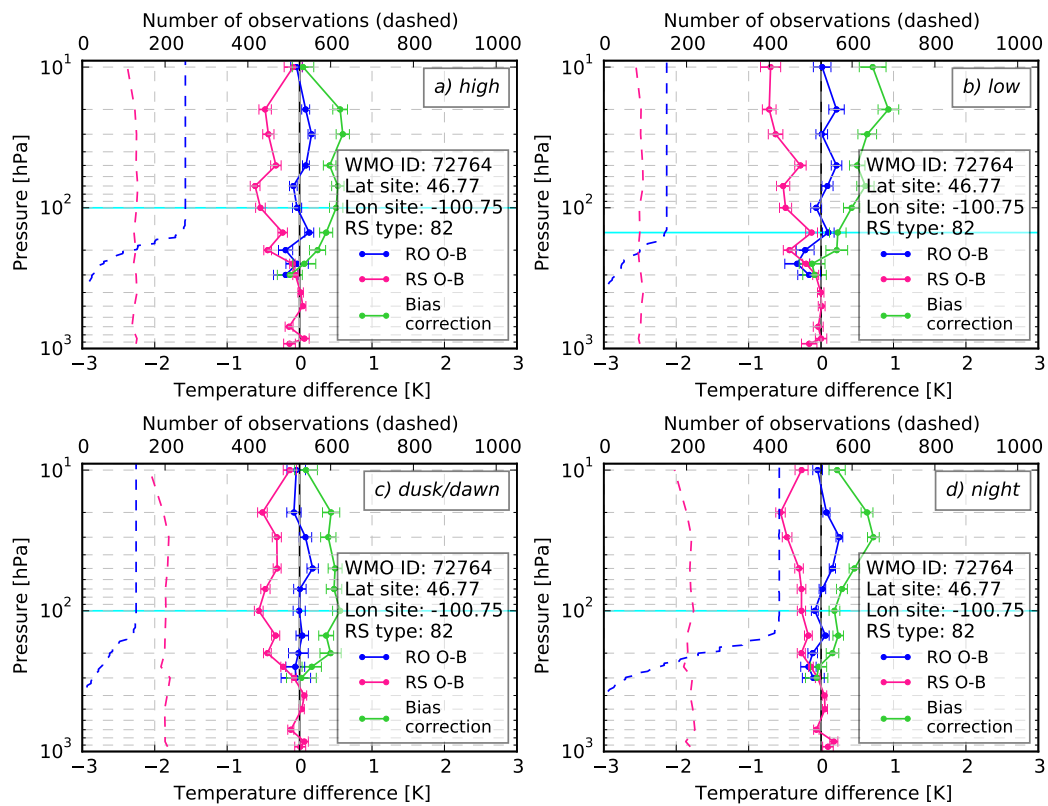
### 1.571 WMO ID 72747



**Figure 1.571:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

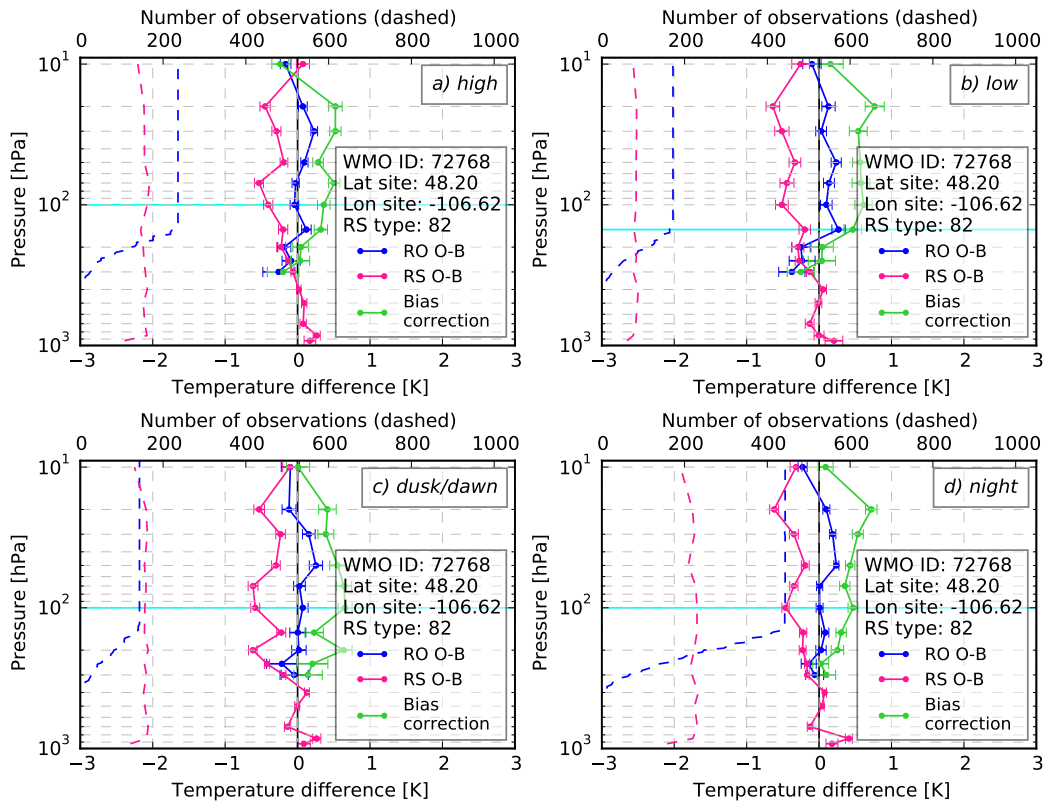


### 1.572 WMO ID 72764



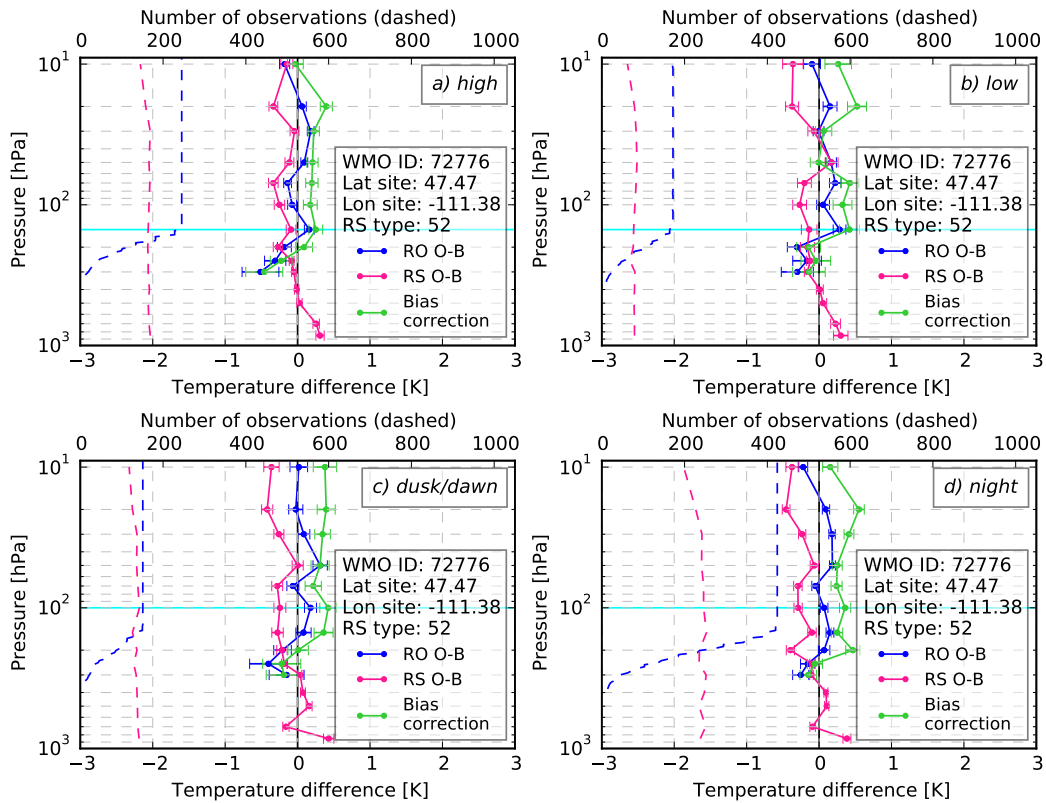
**Figure 1.572:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.573 WMO ID 72768



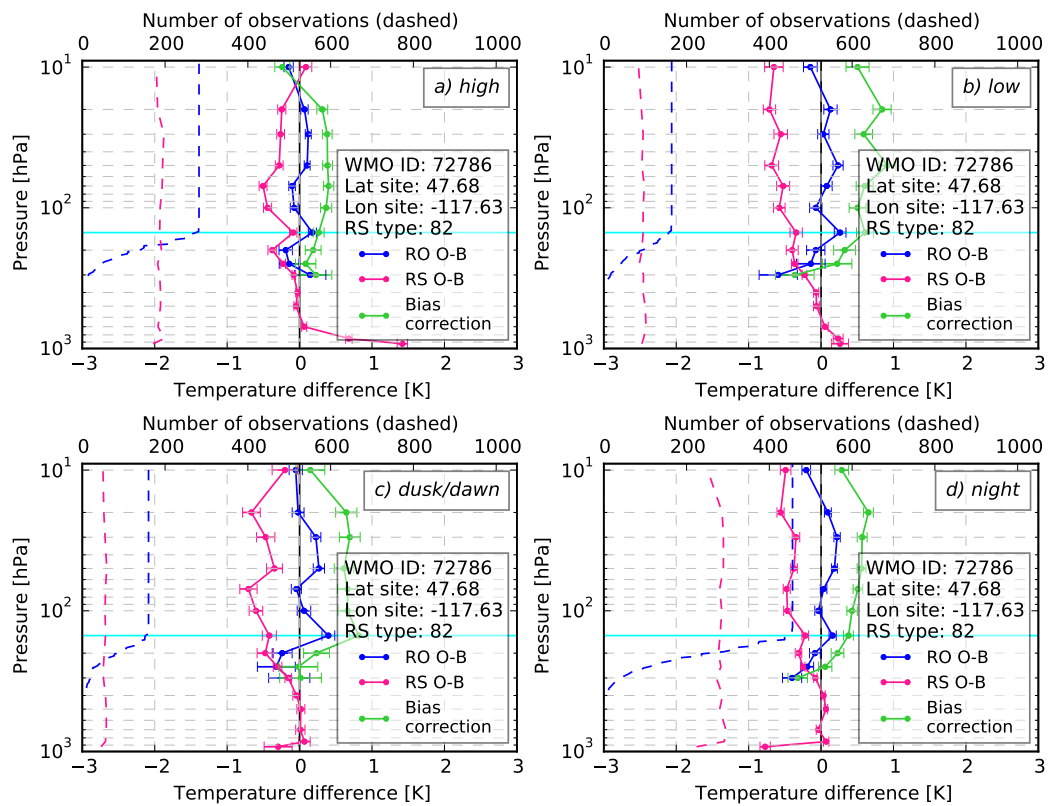
**Figure 1.573:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.574 WMO ID 72776



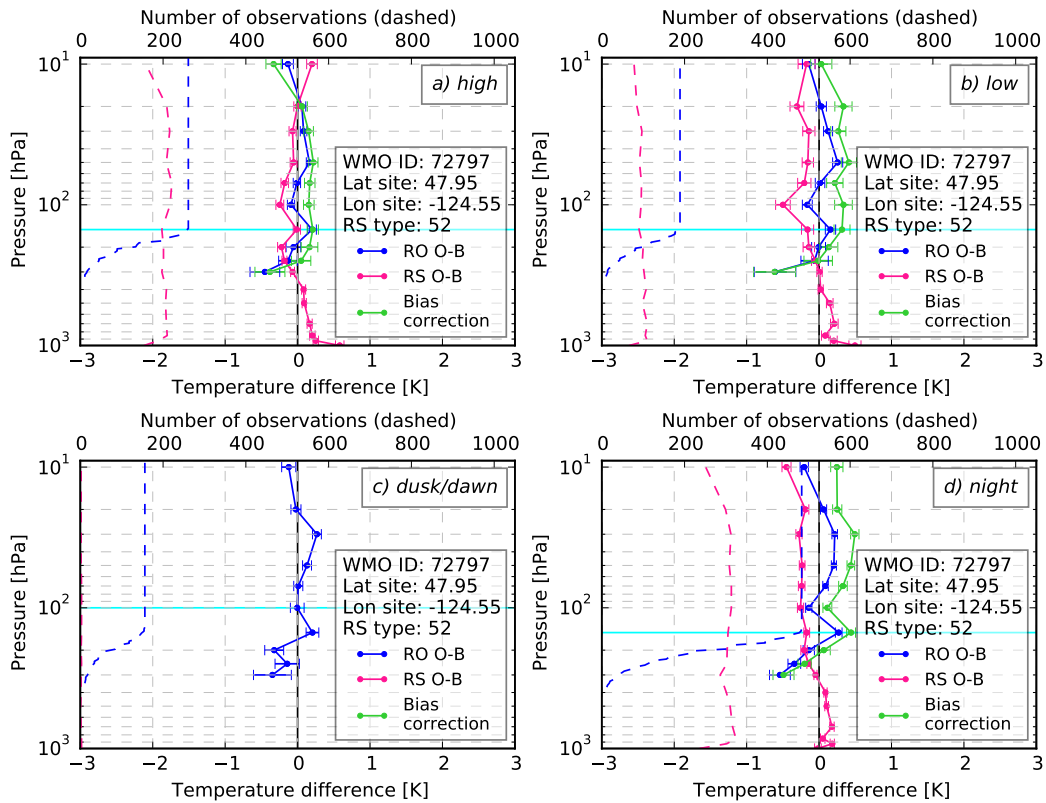
**Figure 1.574:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.575 WMO ID 72786



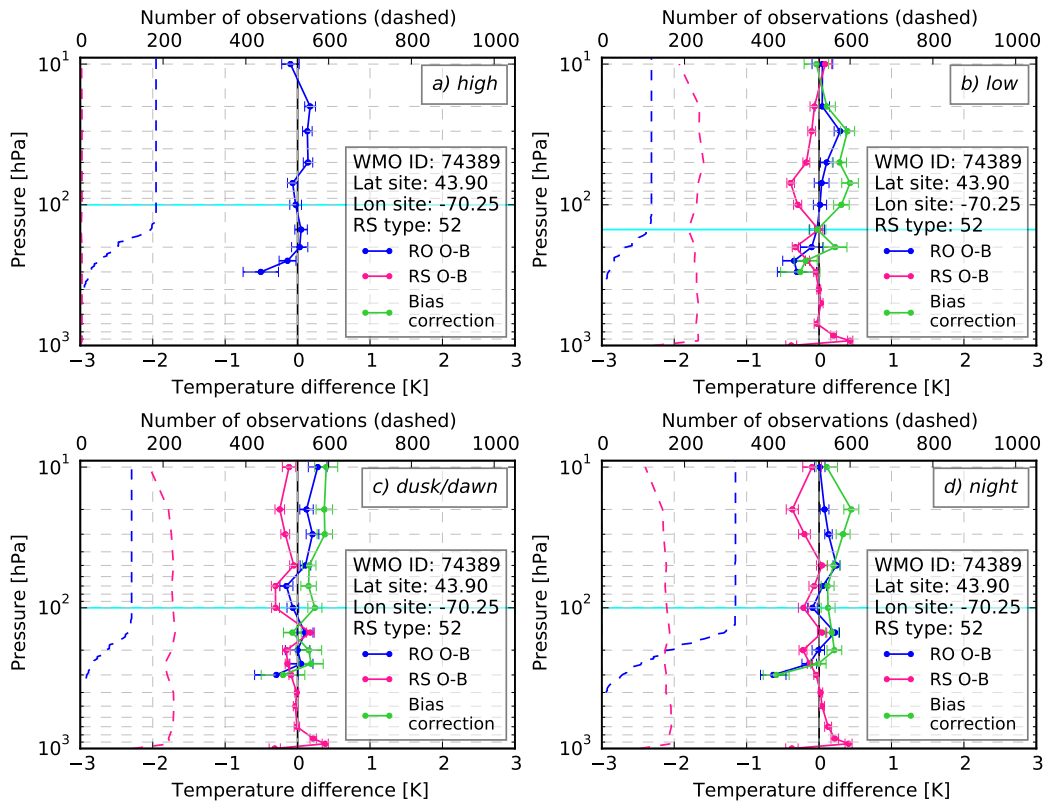
**Figure 1.575:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.576 WMO ID 72797



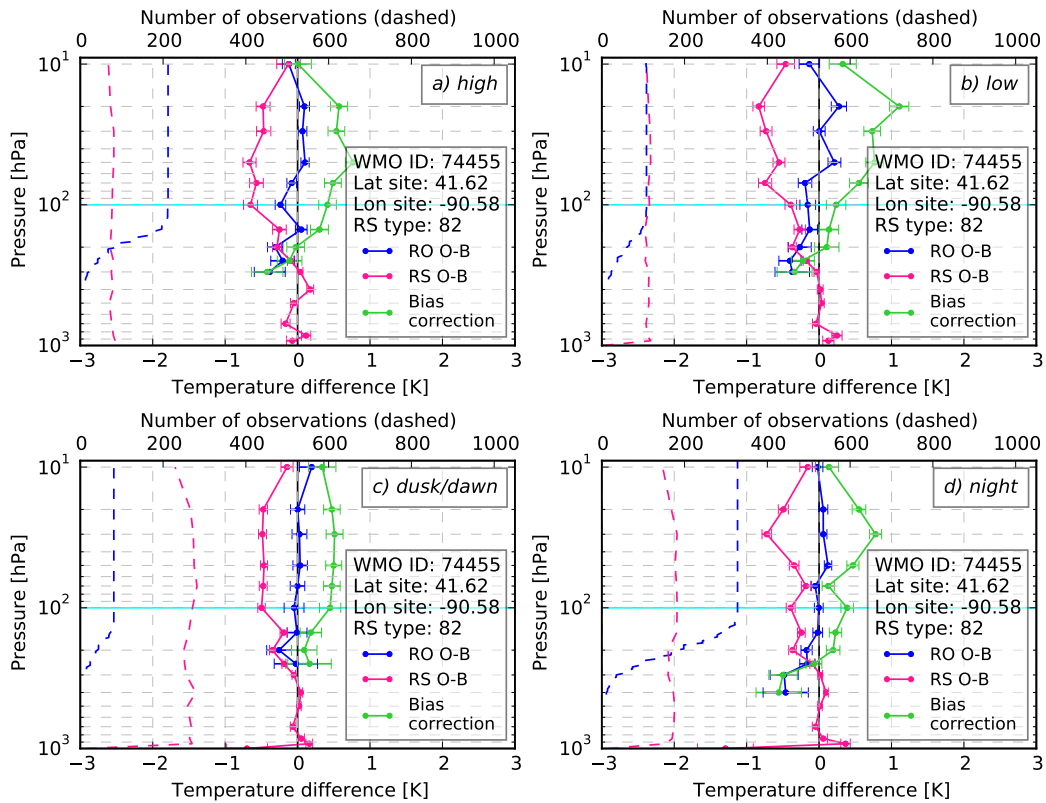
**Figure 1.576:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.577 WMO ID 74389



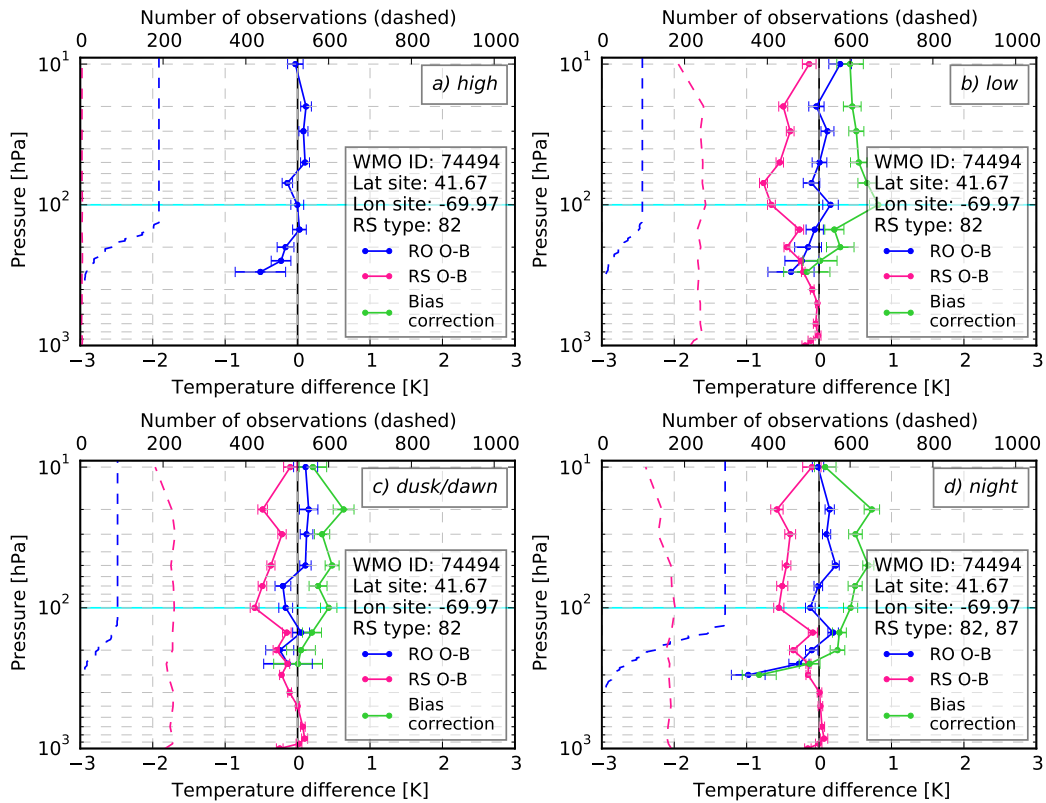
**Figure 1.577:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.578 WMO ID 74455



**Figure 1.578:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

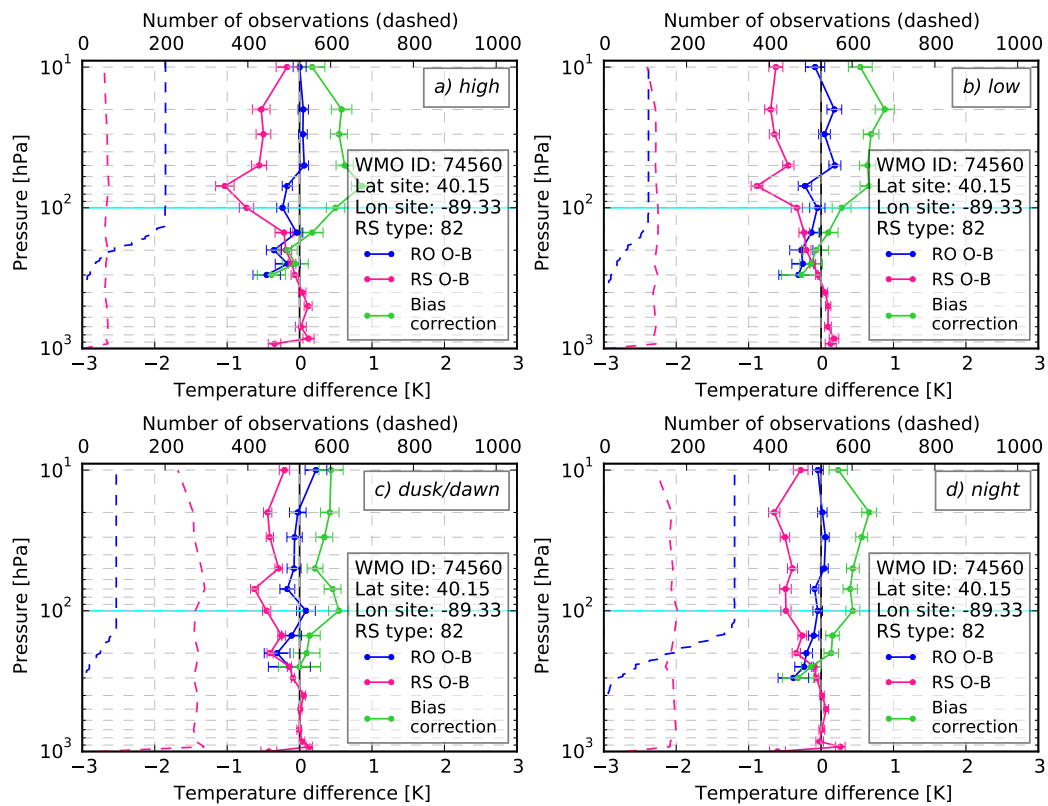
### 1.579 WMO ID 74494



**Figure 1.579:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

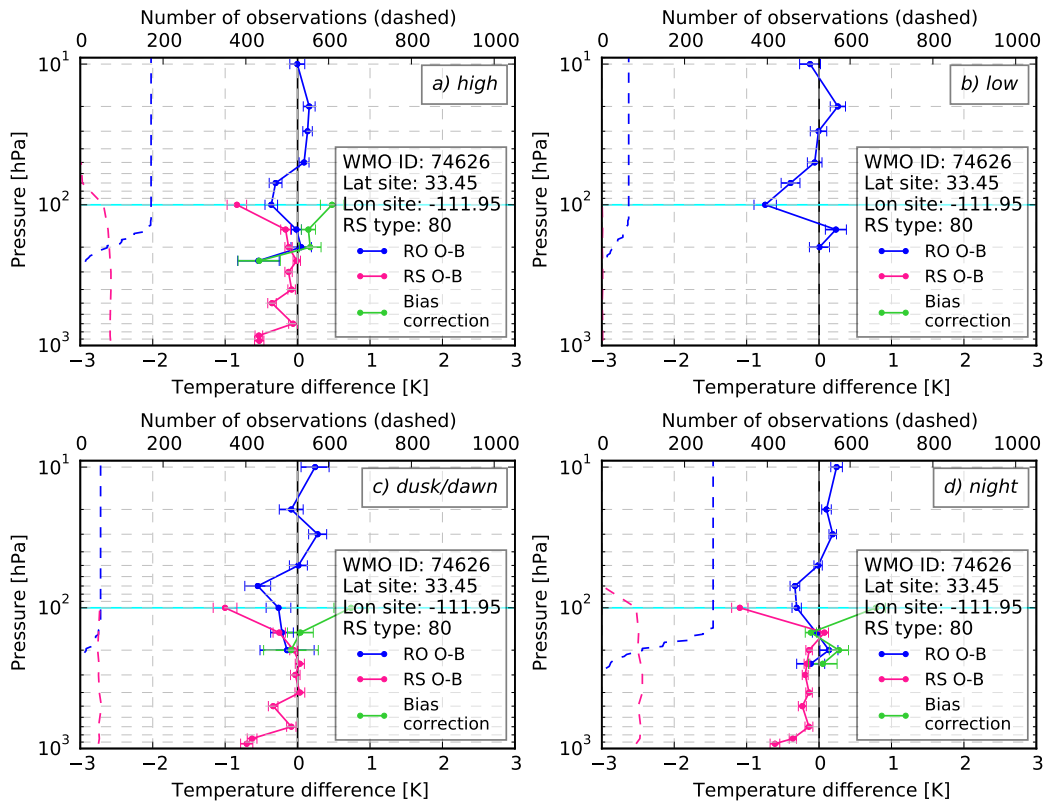


### 1.580 WMO ID 74560



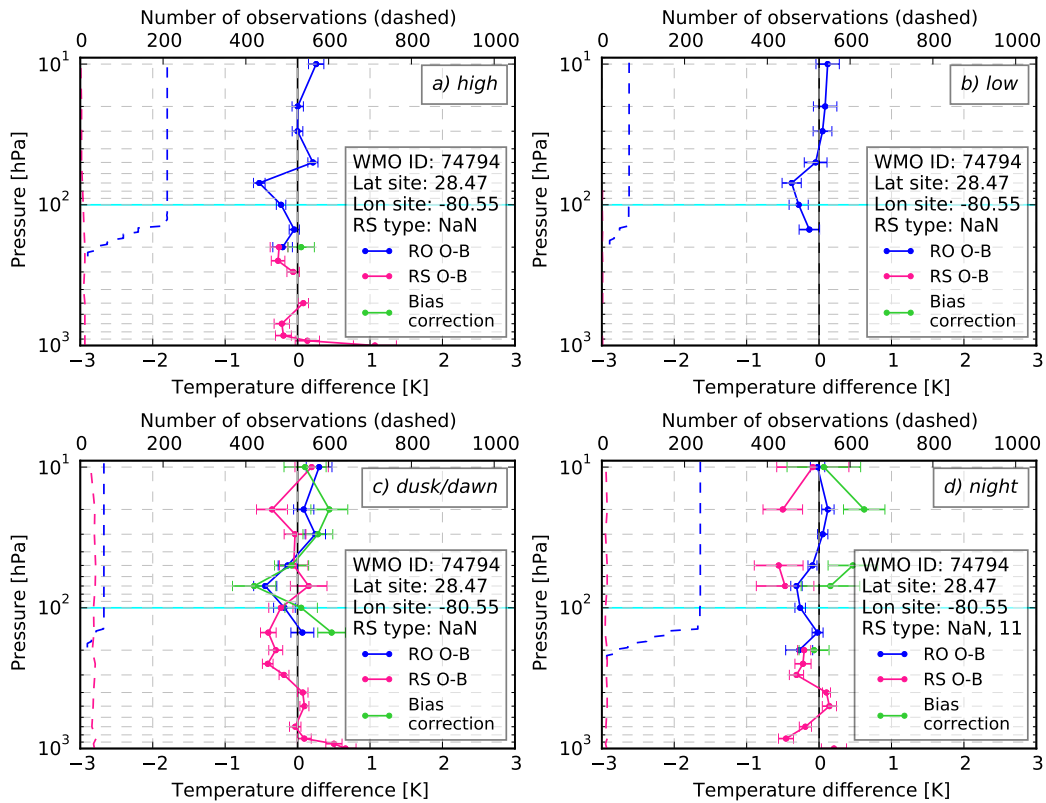
**Figure 1.580:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.581 WMO ID 74626



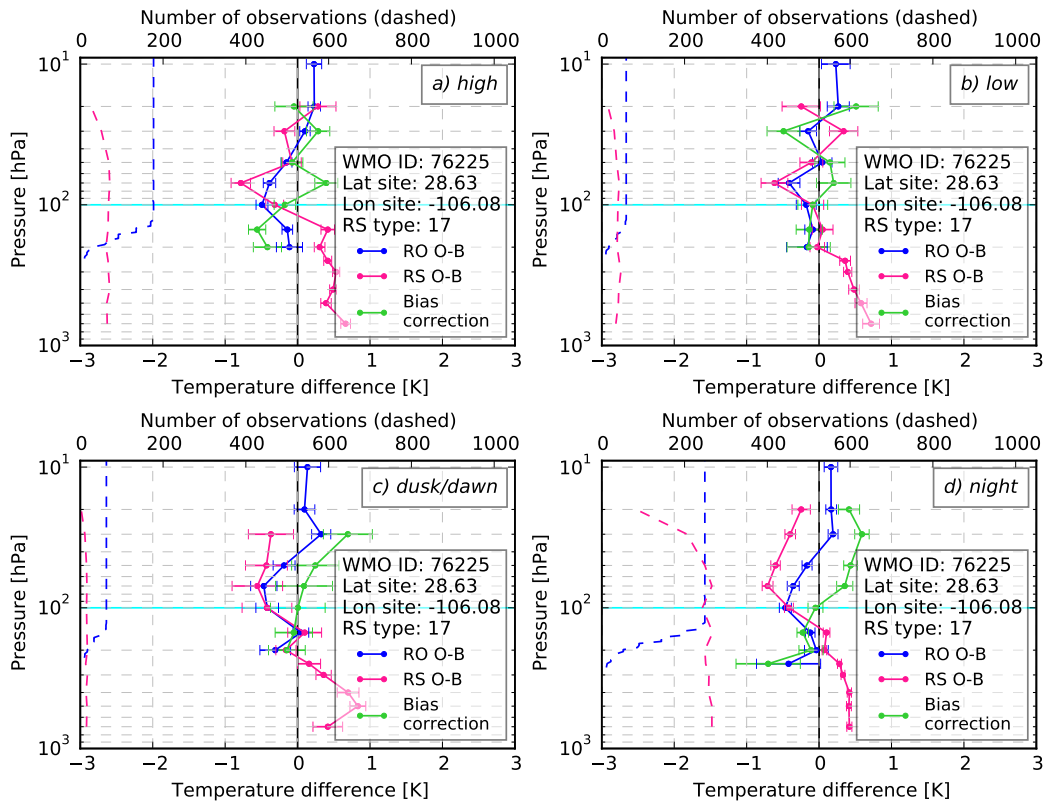
**Figure 1.581:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.582 WMO ID 74794



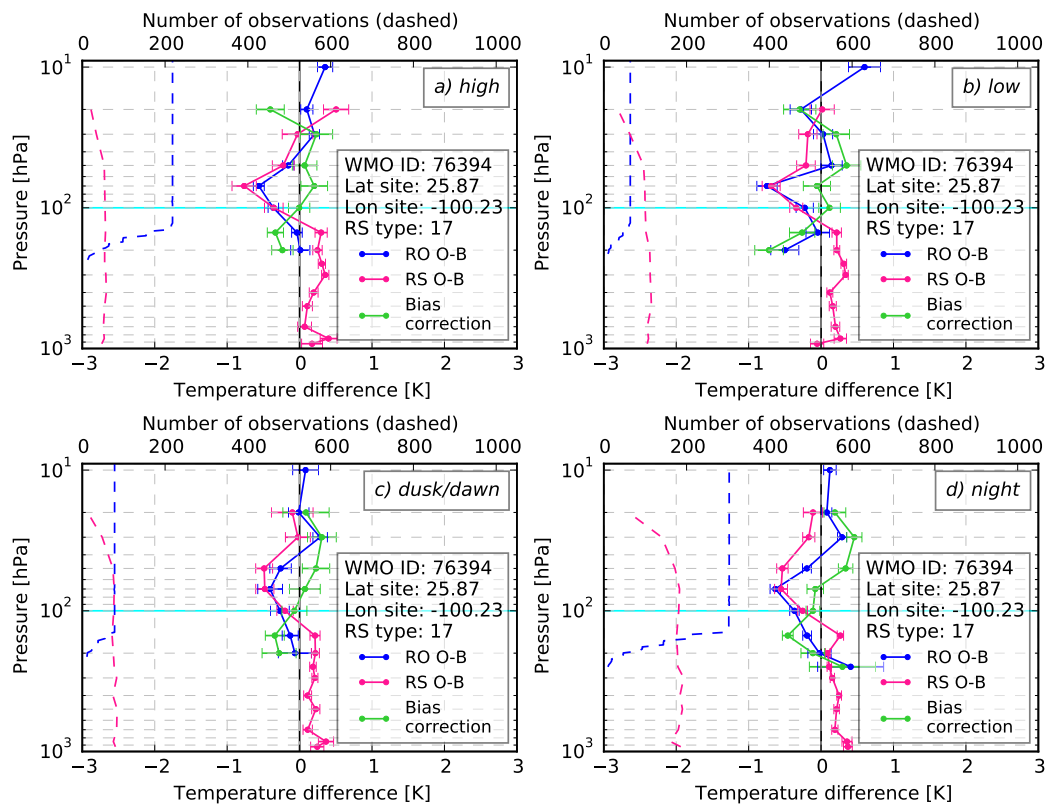
**Figure 1.582:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.583 WMO ID 76225



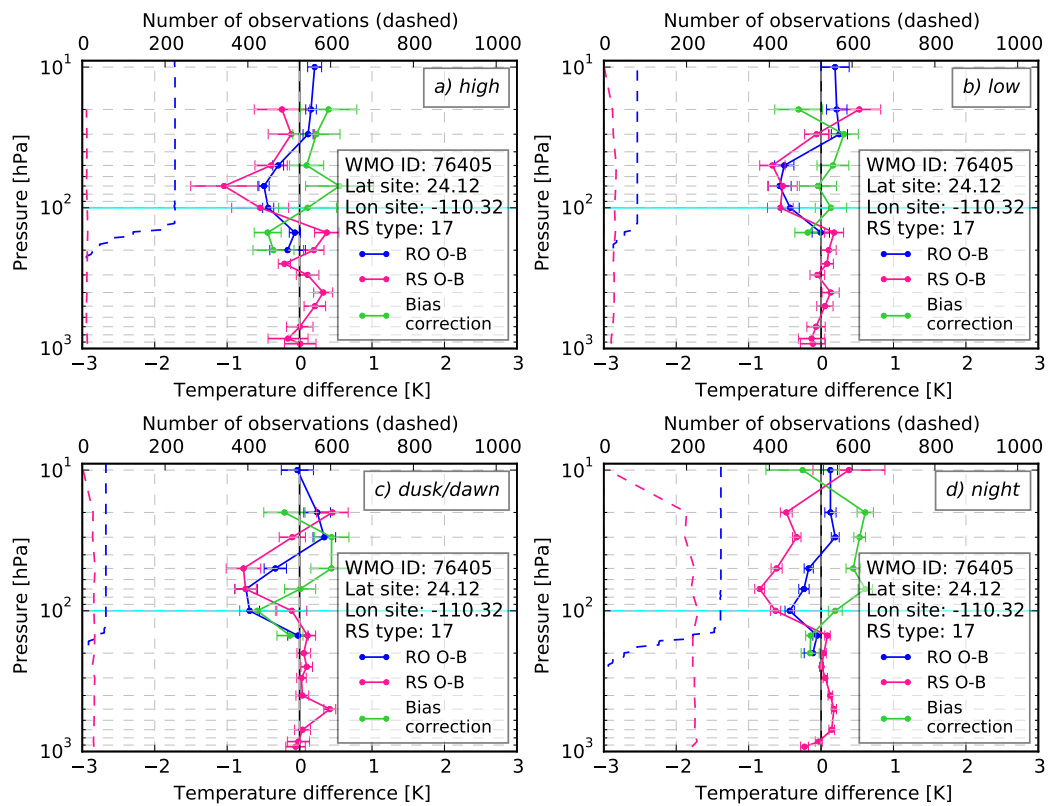
**Figure 1.583:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.584 WMO ID 76394



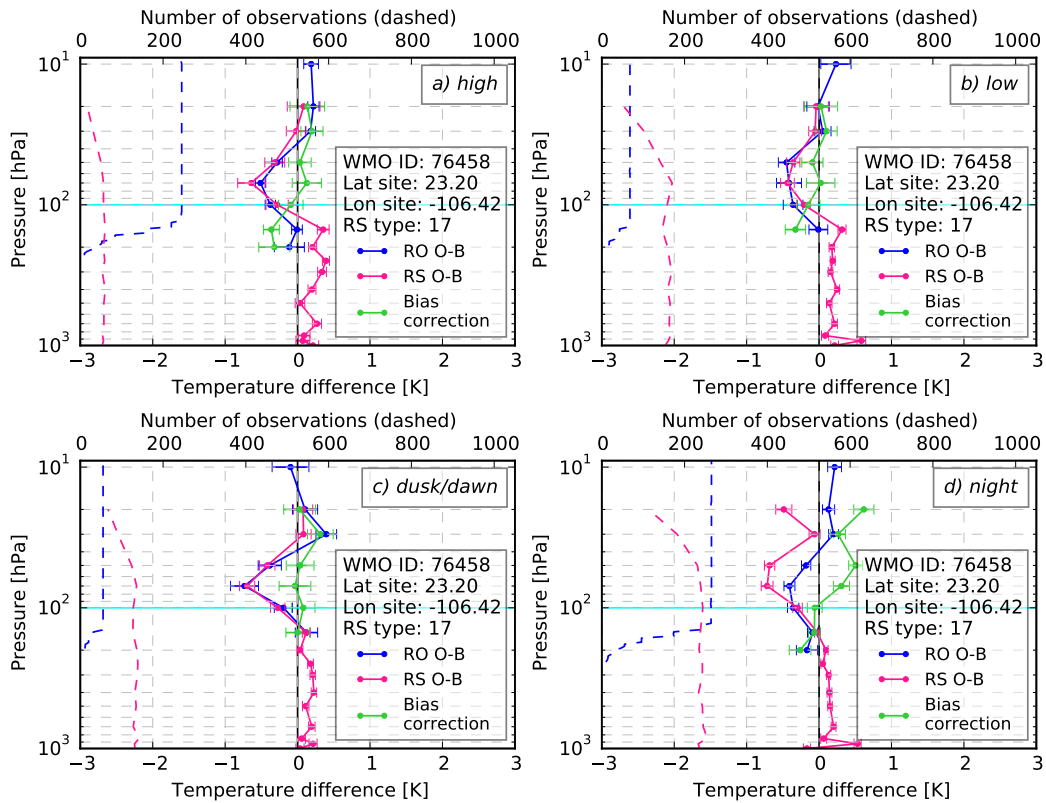
**Figure 1.584:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.585 WMO ID 76405



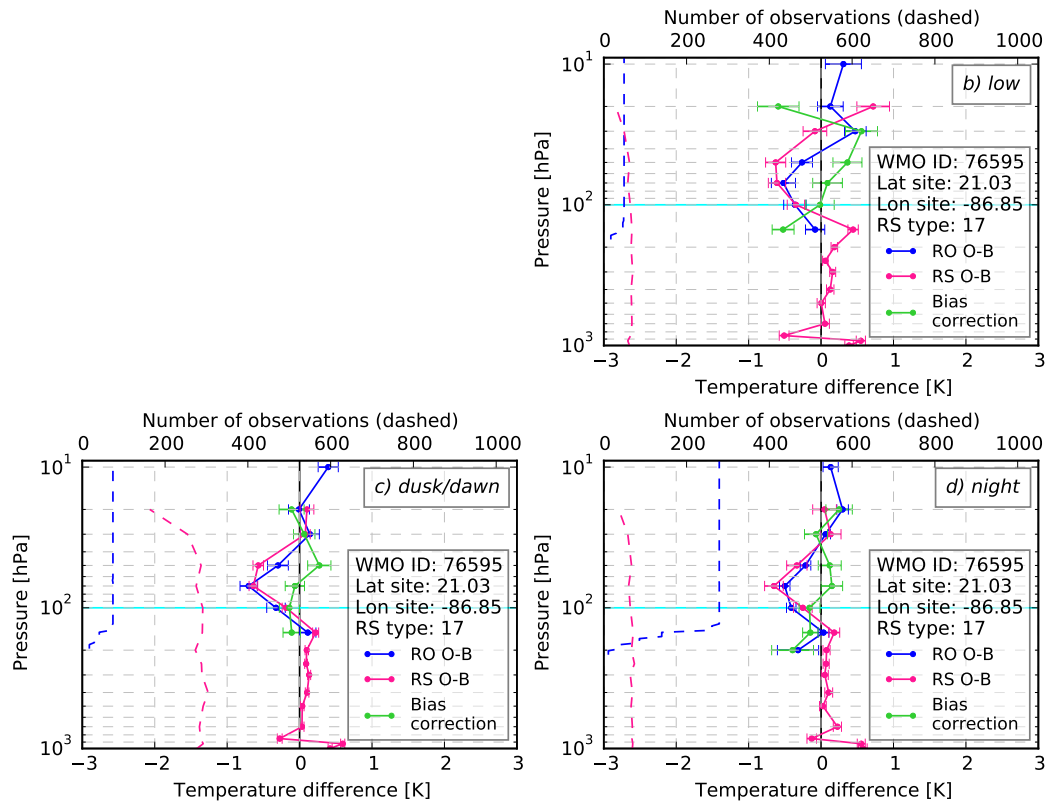
**Figure 1.585:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.586 WMO ID 76458



**Figure 1.586:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

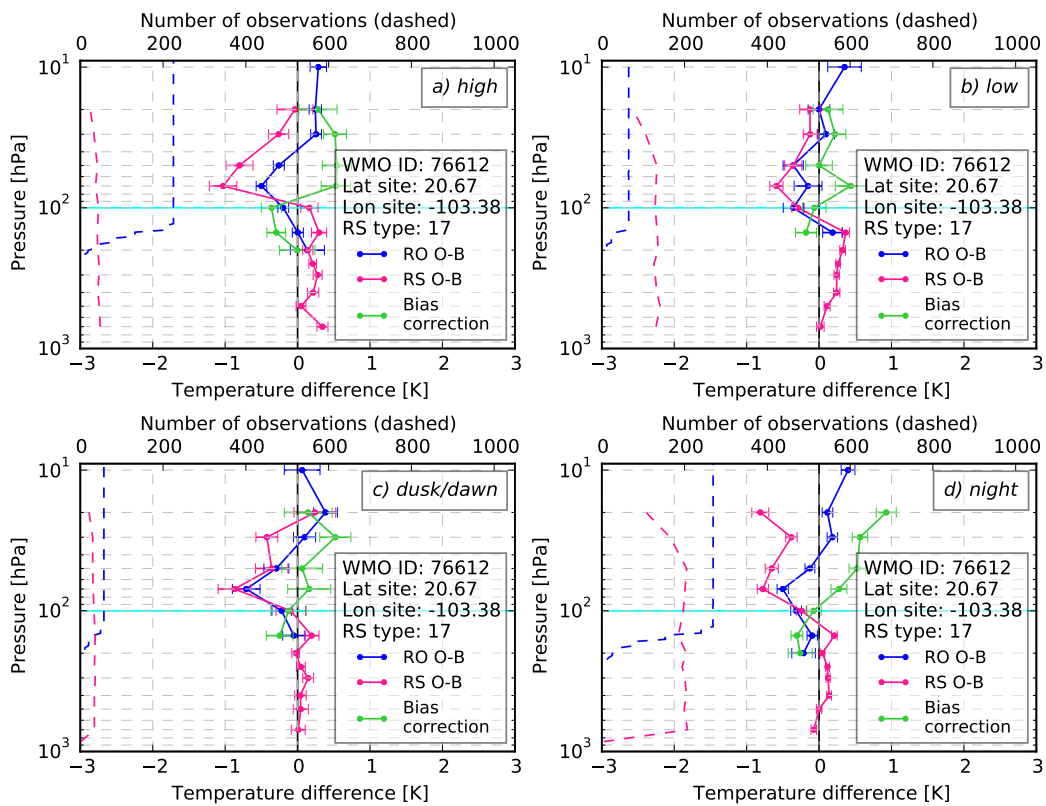
### 1.587 WMO ID 76595



**Figure 1.587:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

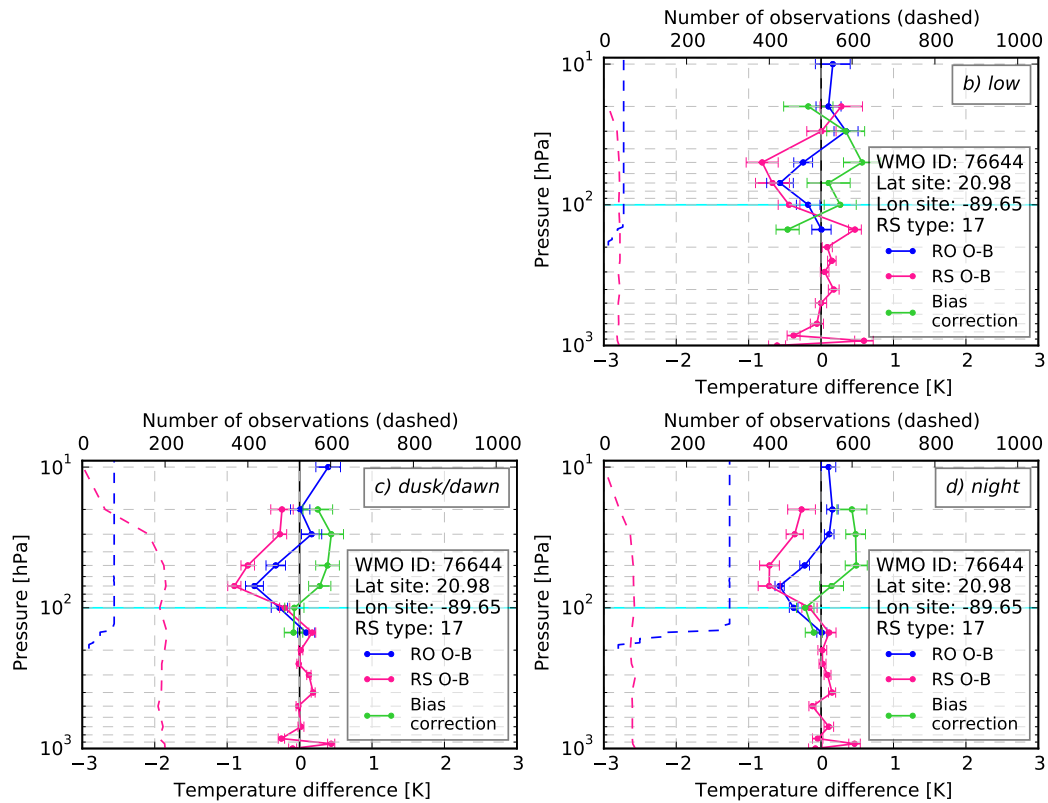


### 1.588 WMO ID 76612



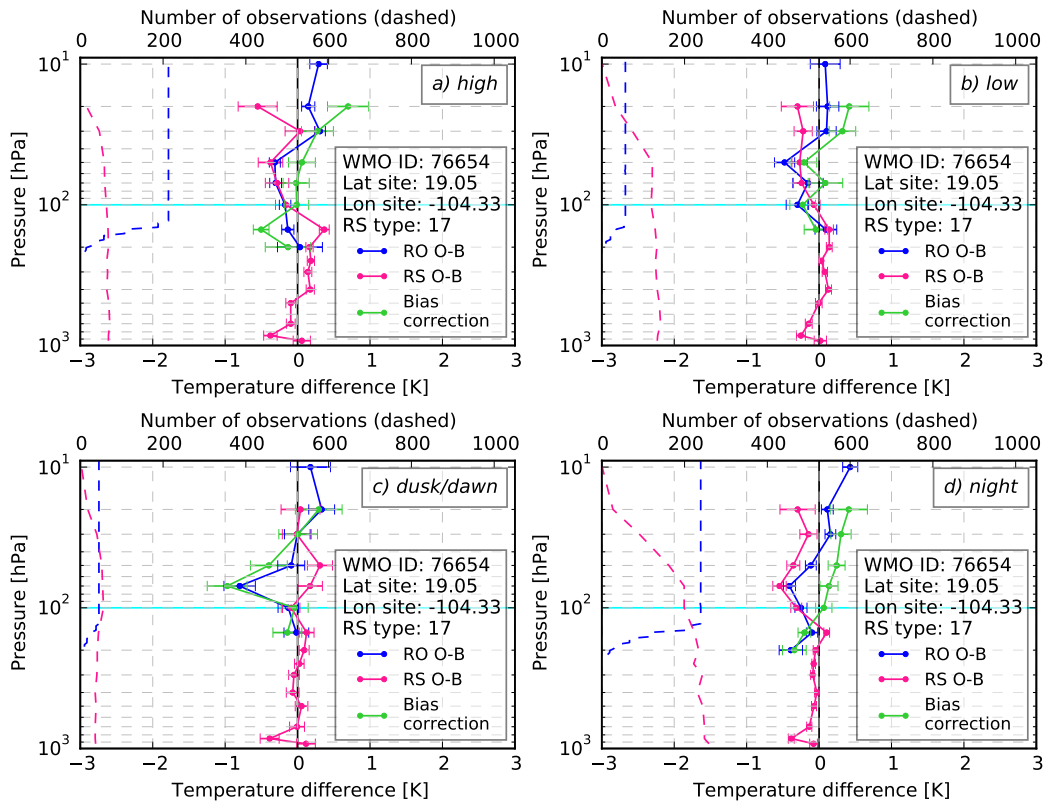
**Figure 1.588:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.589 WMO ID 76644



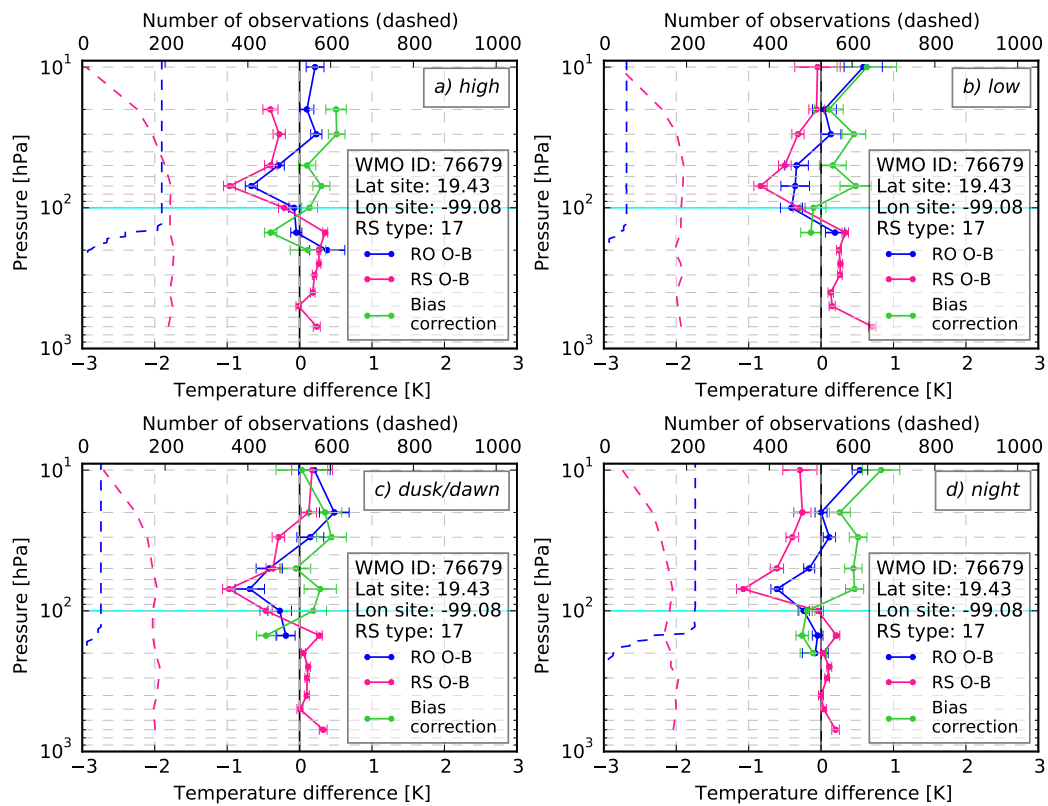
**Figure 1.589:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.590 WMO ID 76654



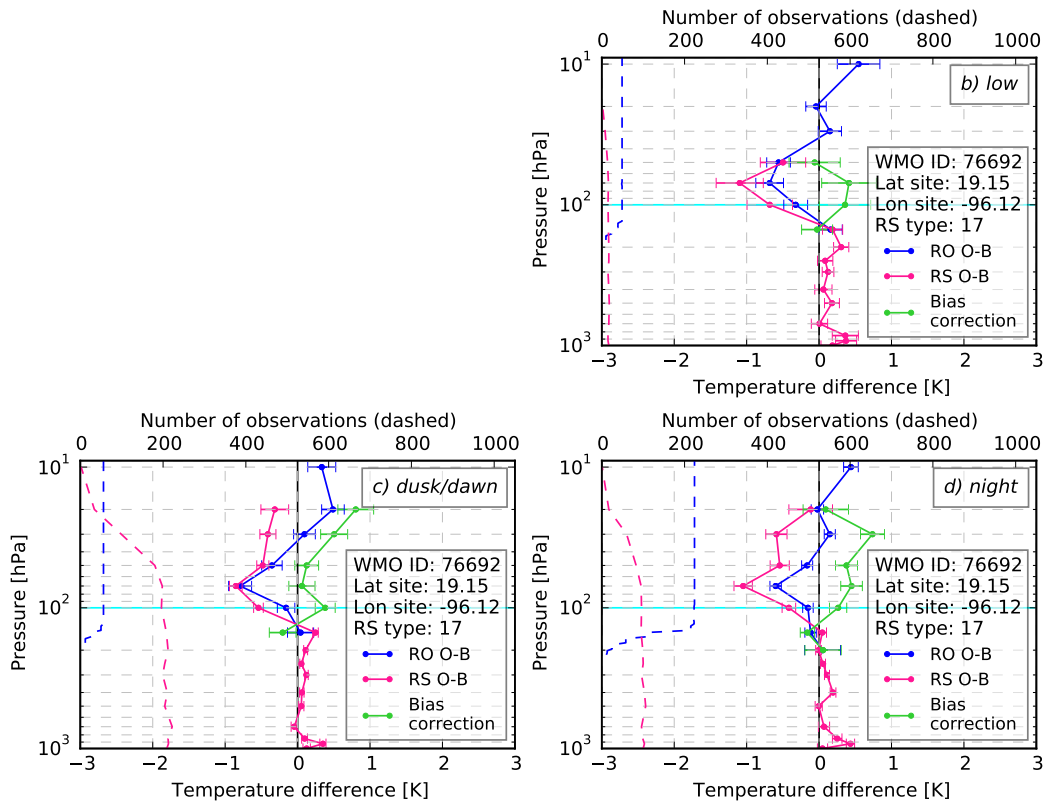
**Figure 1.590:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.591 WMO ID 76679



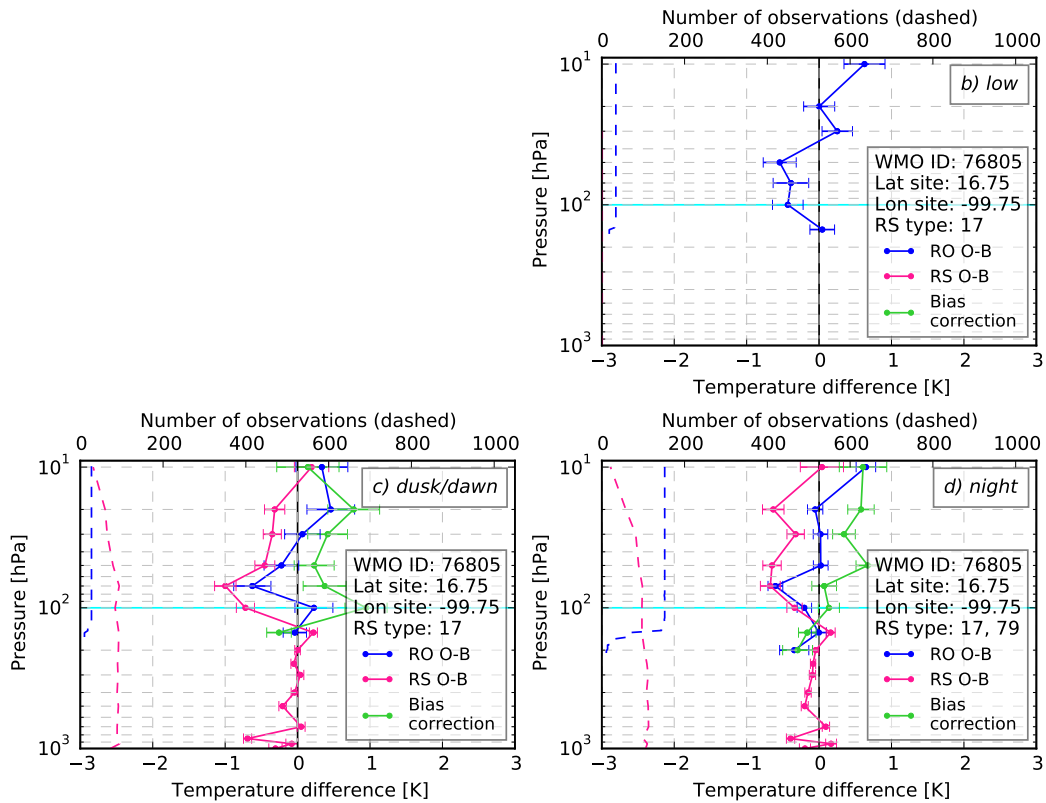
**Figure 1.591:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.592 WMO ID 76692



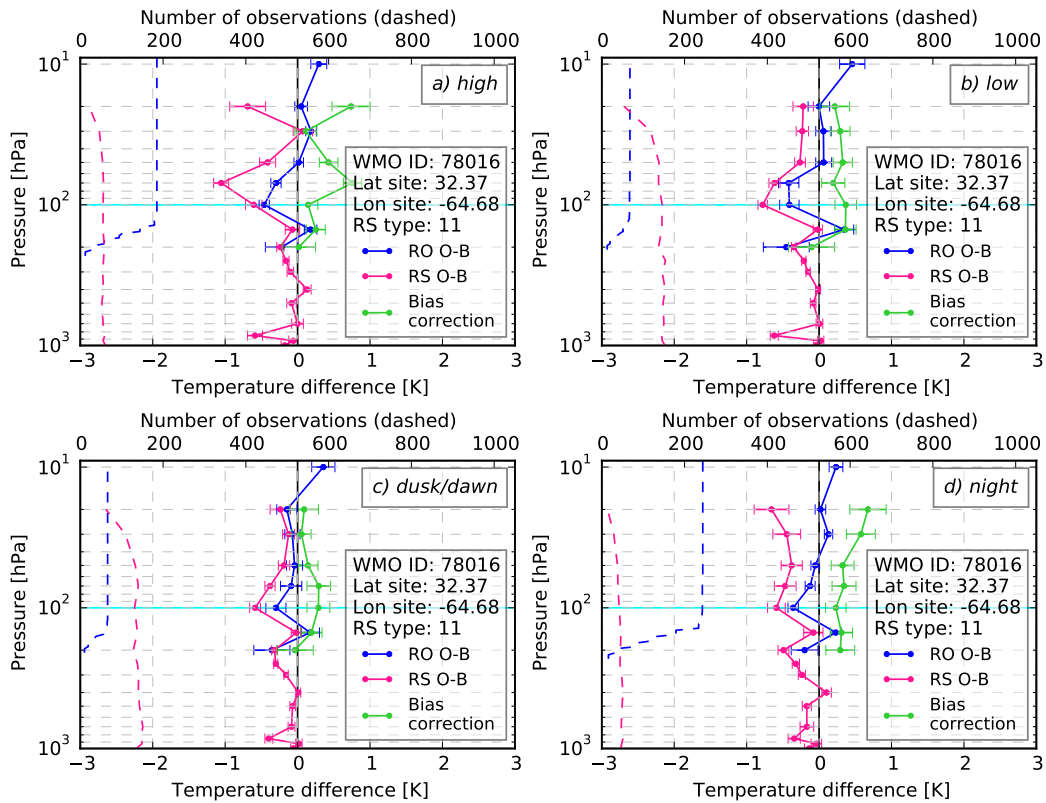
**Figure 1.592:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.593 WMO ID 76805



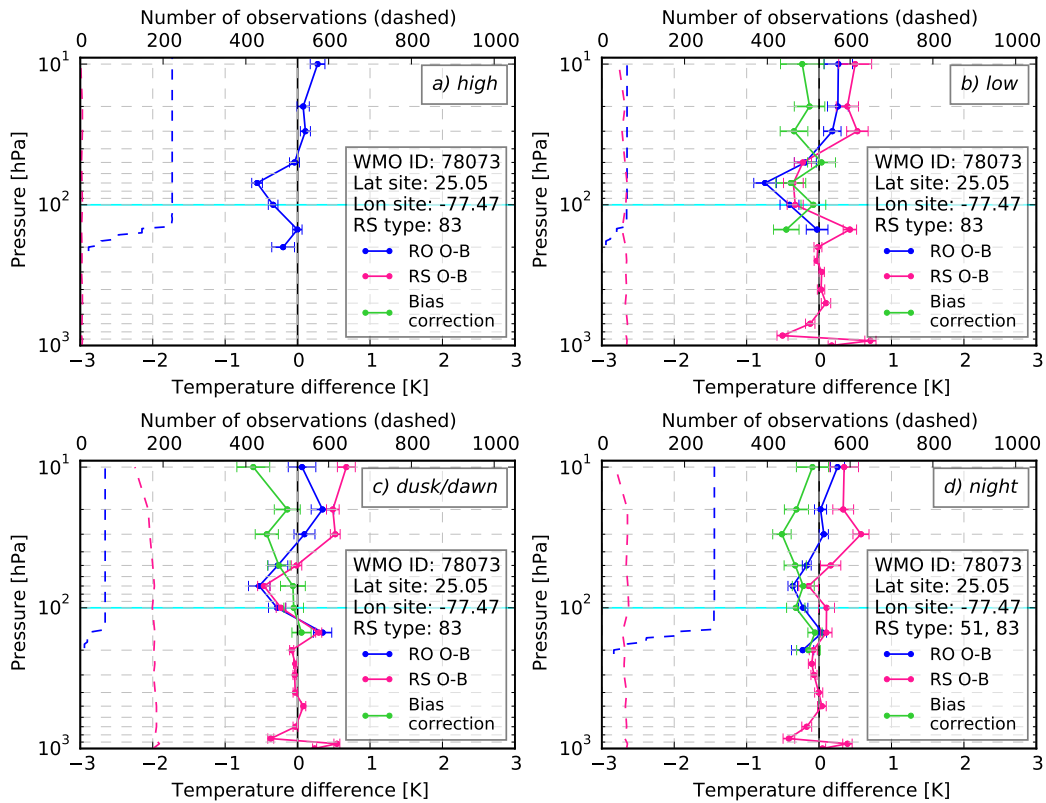
**Figure 1.593:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.594 WMO ID 78016



**Figure 1.594:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

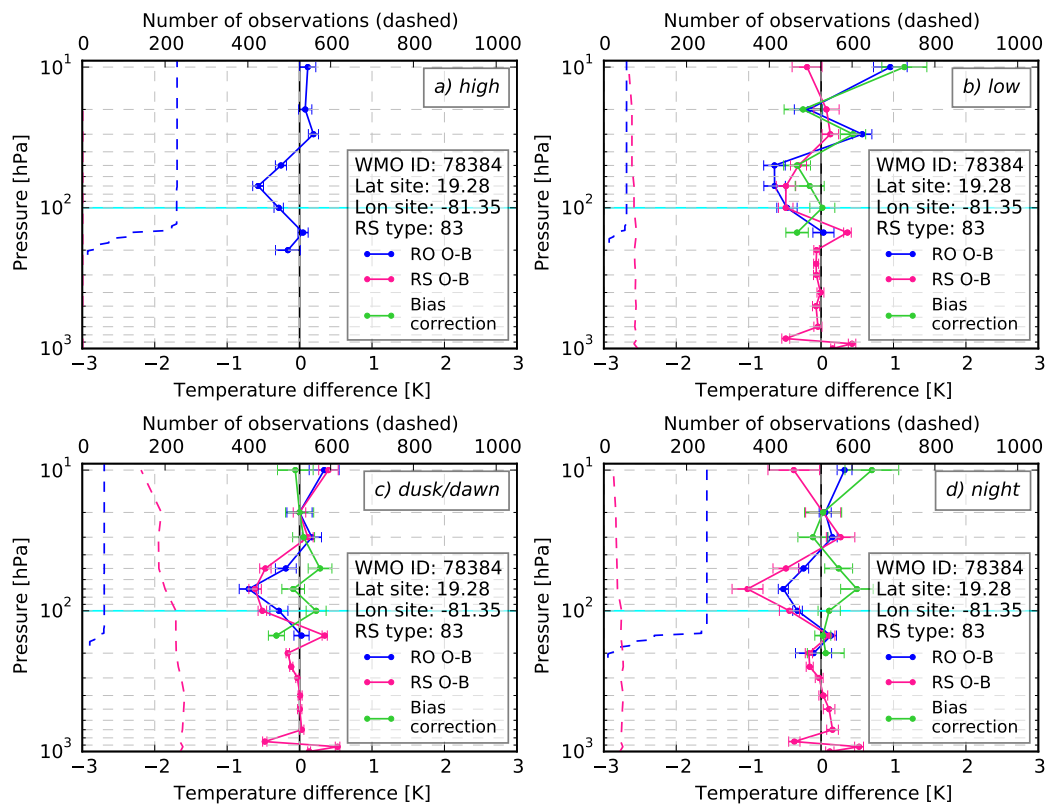
### 1.595 WMO ID 78073



**Figure 1.595:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

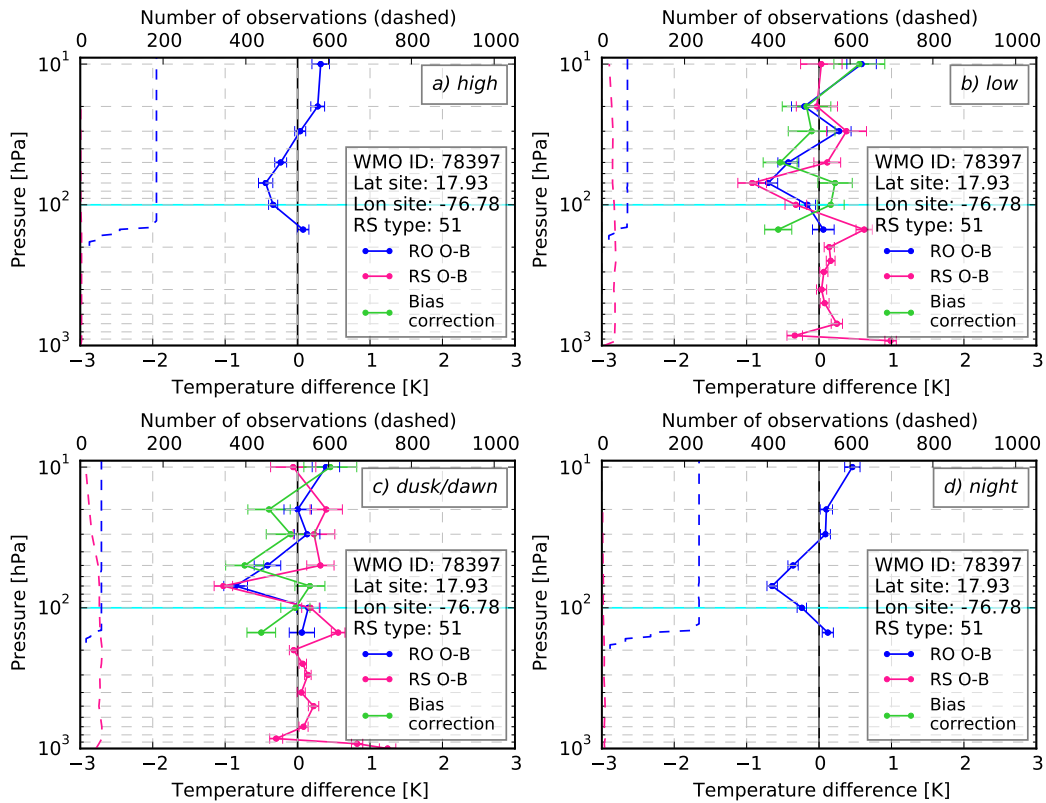


### 1.596 WMO ID 78384



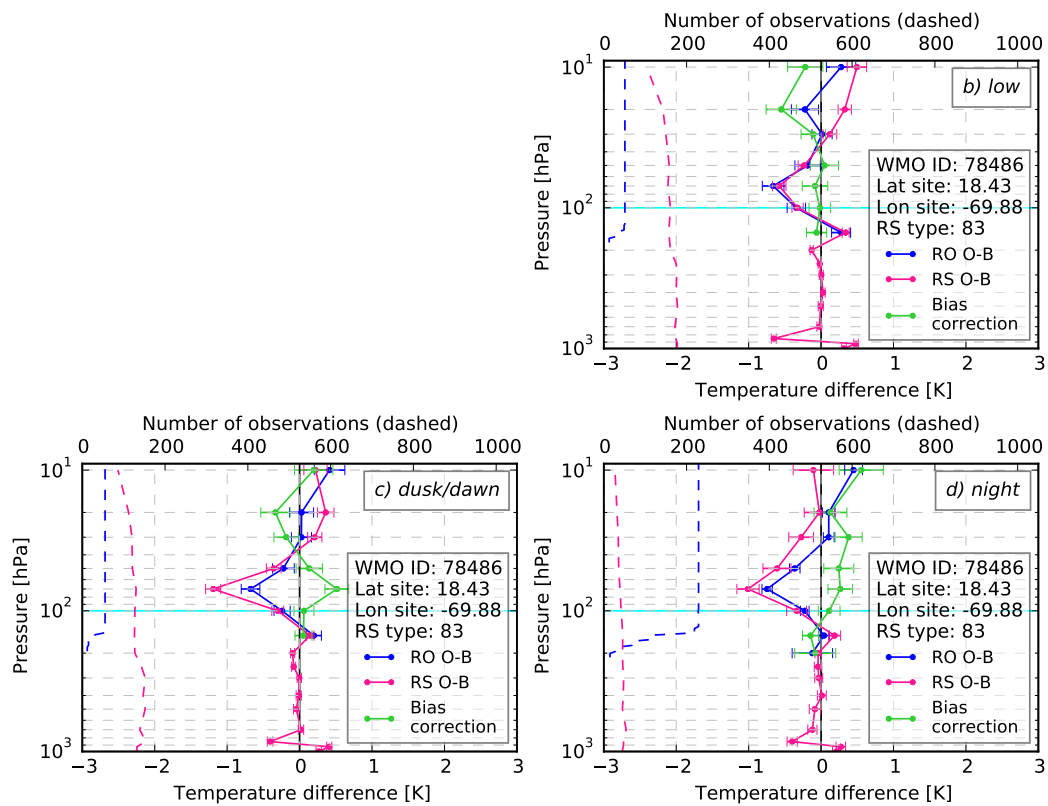
**Figure 1.596:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.597 WMO ID 78397



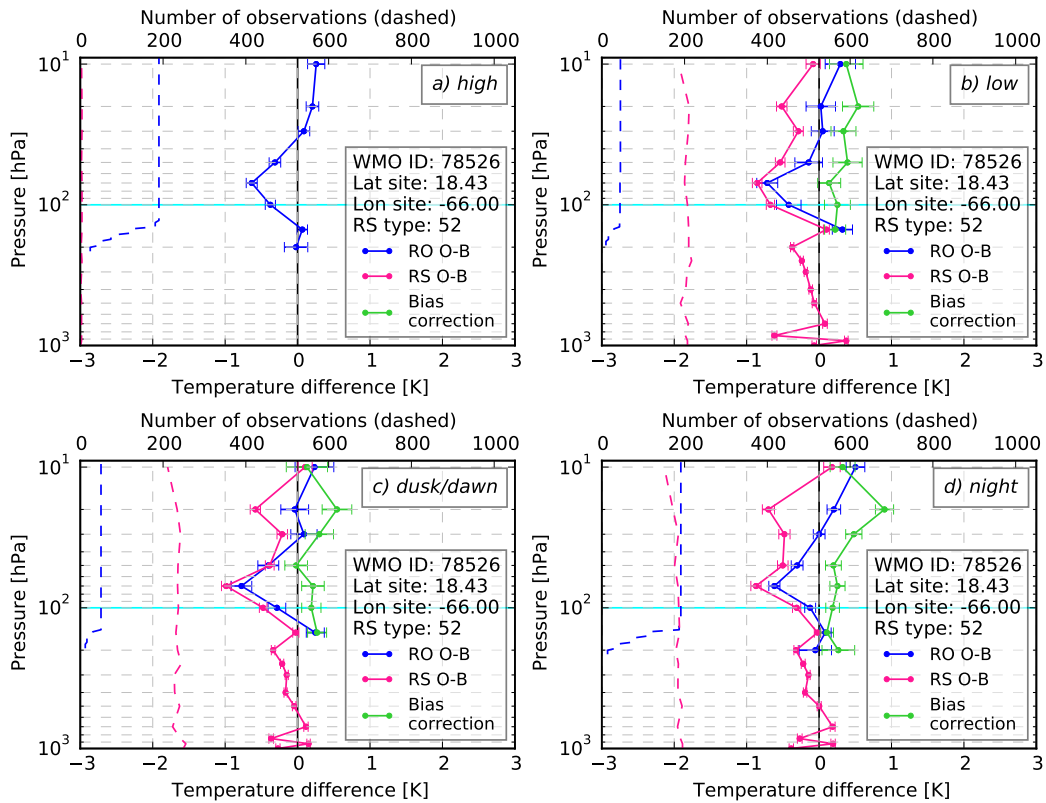
**Figure 1.597:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.598 WMO ID 78486



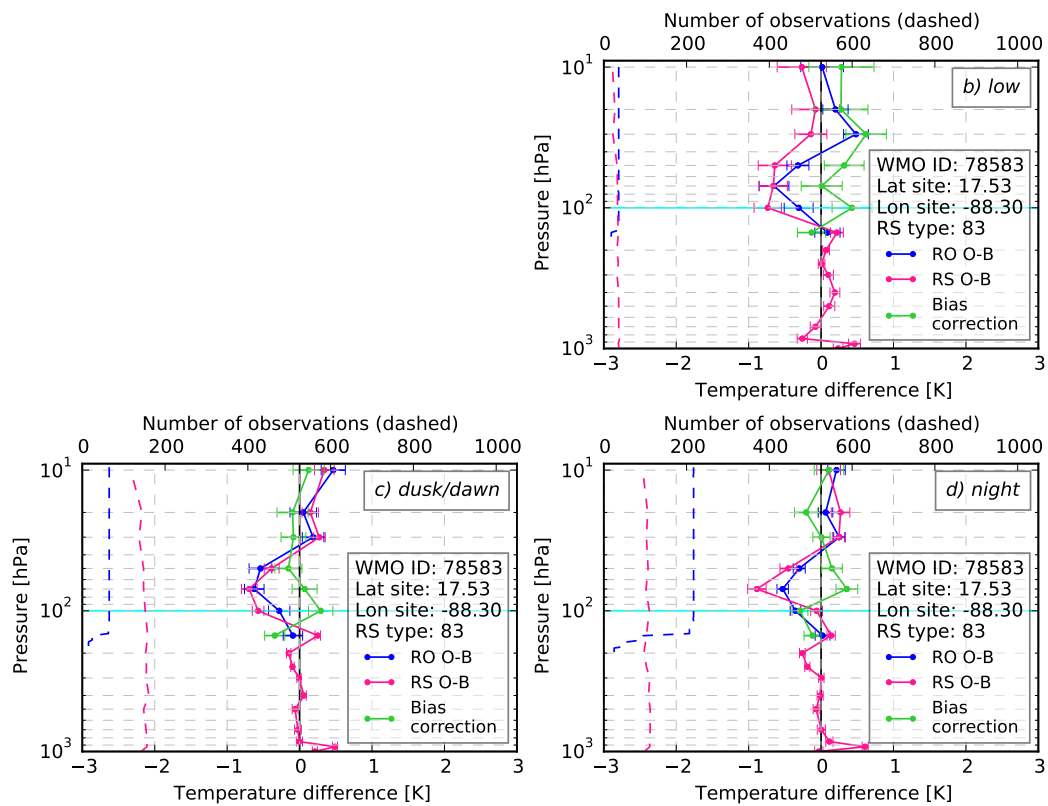
**Figure 1.598:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.599 WMO ID 78526



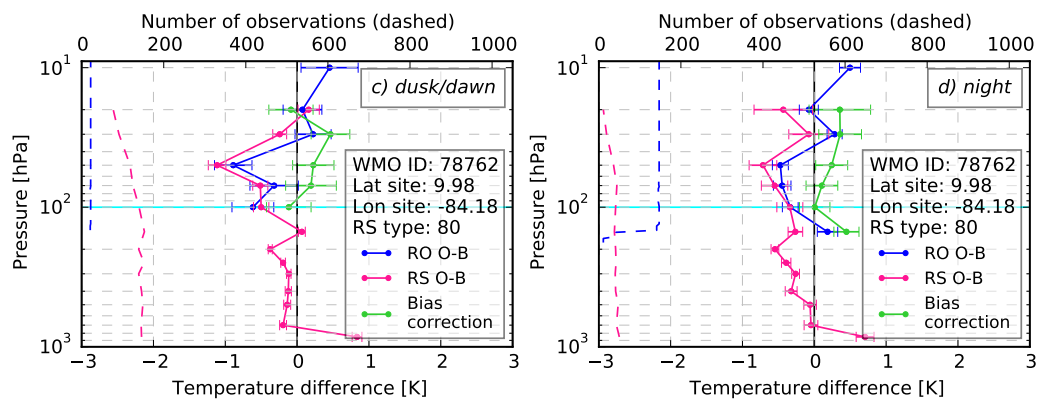
**Figure 1.599:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.600 WMO ID 78583



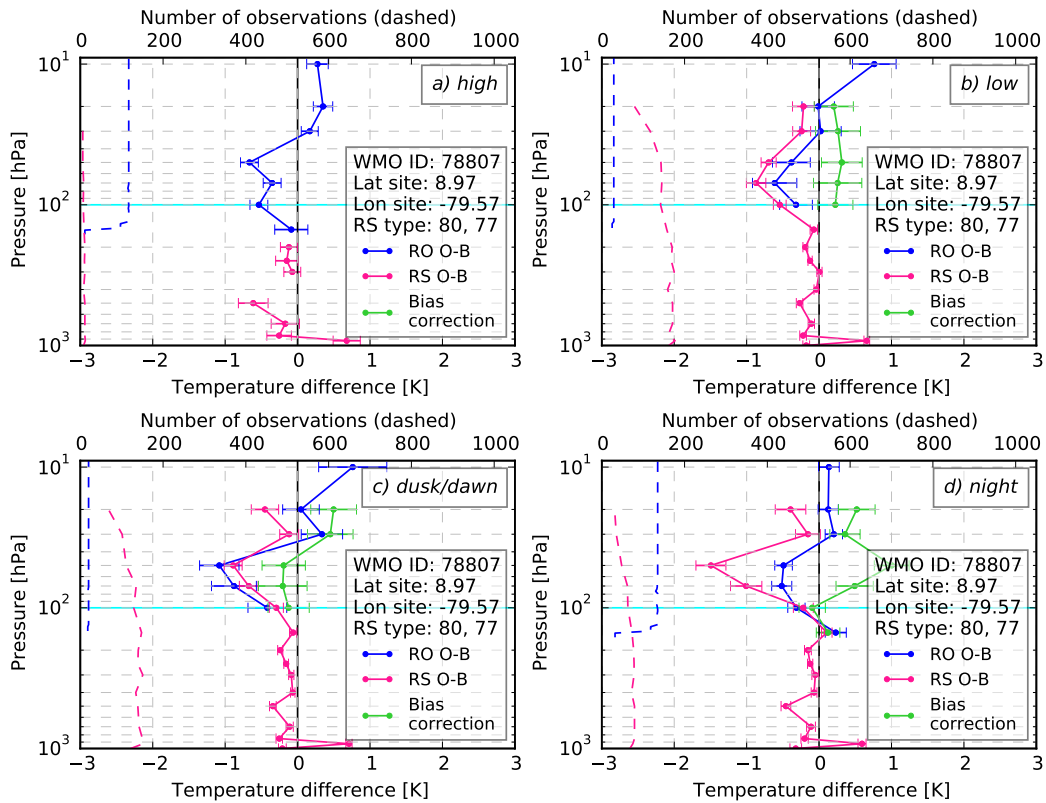
**Figure 1.600:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.601 WMO ID 78762



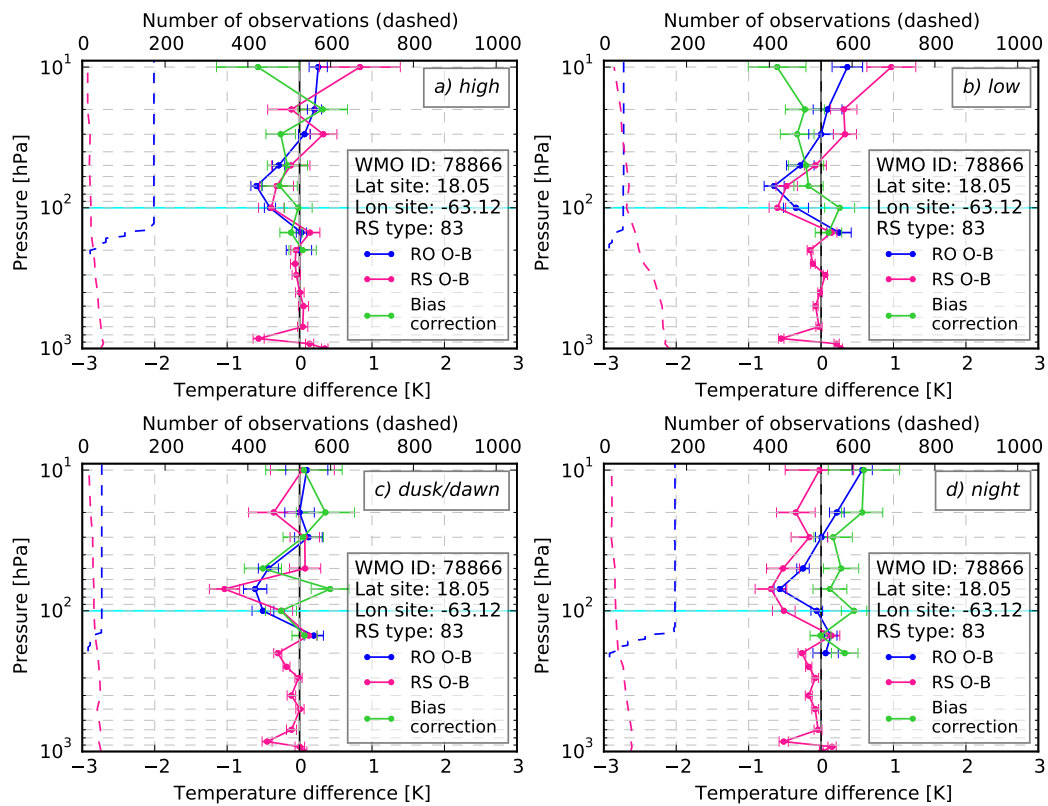
**Figure 1.601:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.602 WMO ID 78807



**Figure 1.602:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

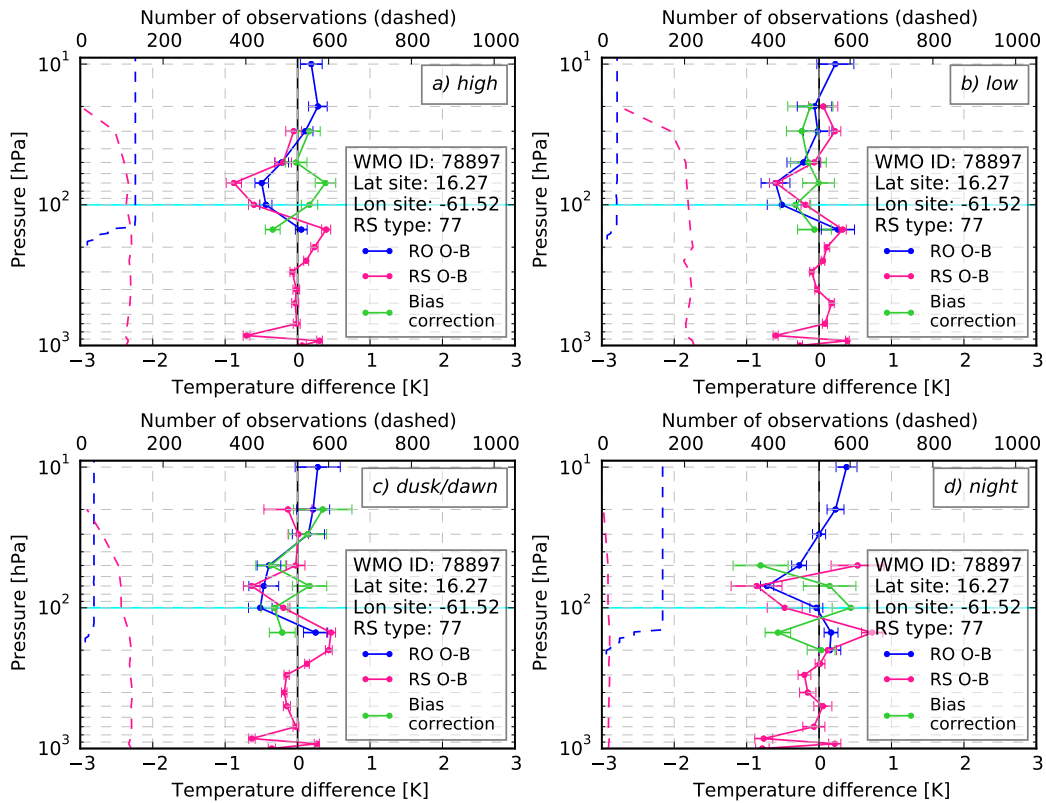
### 1.603 WMO ID 78866



**Figure 1.603:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

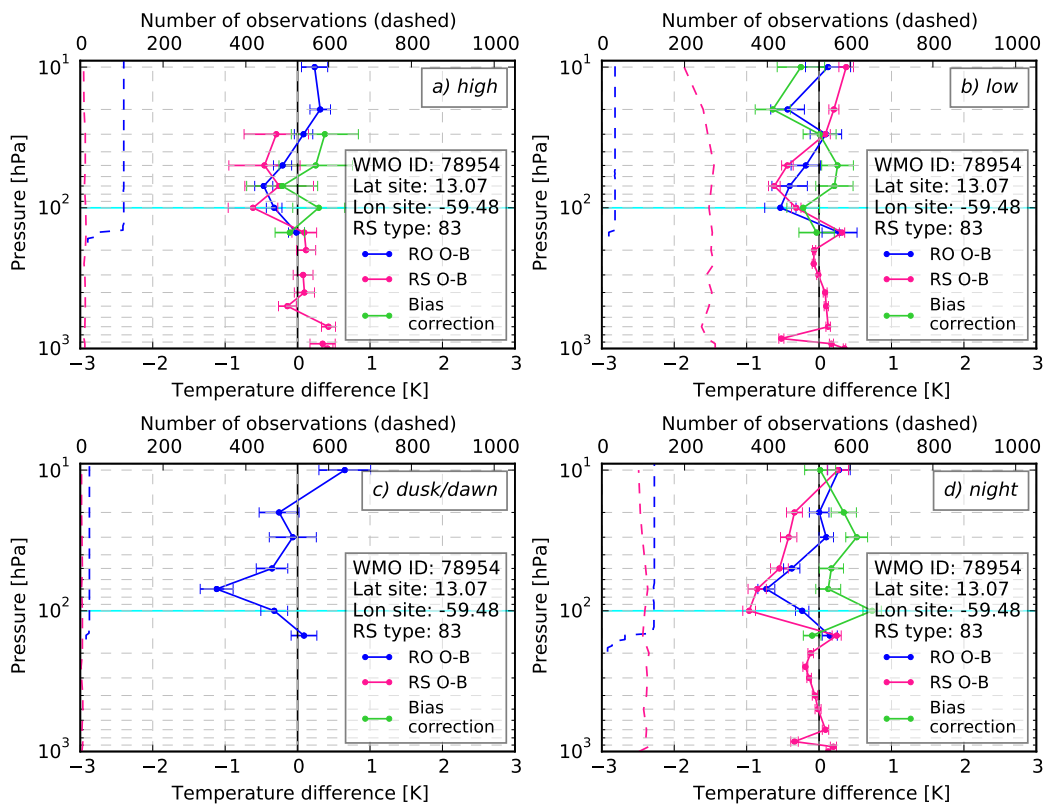


### 1.604 WMO ID 78897



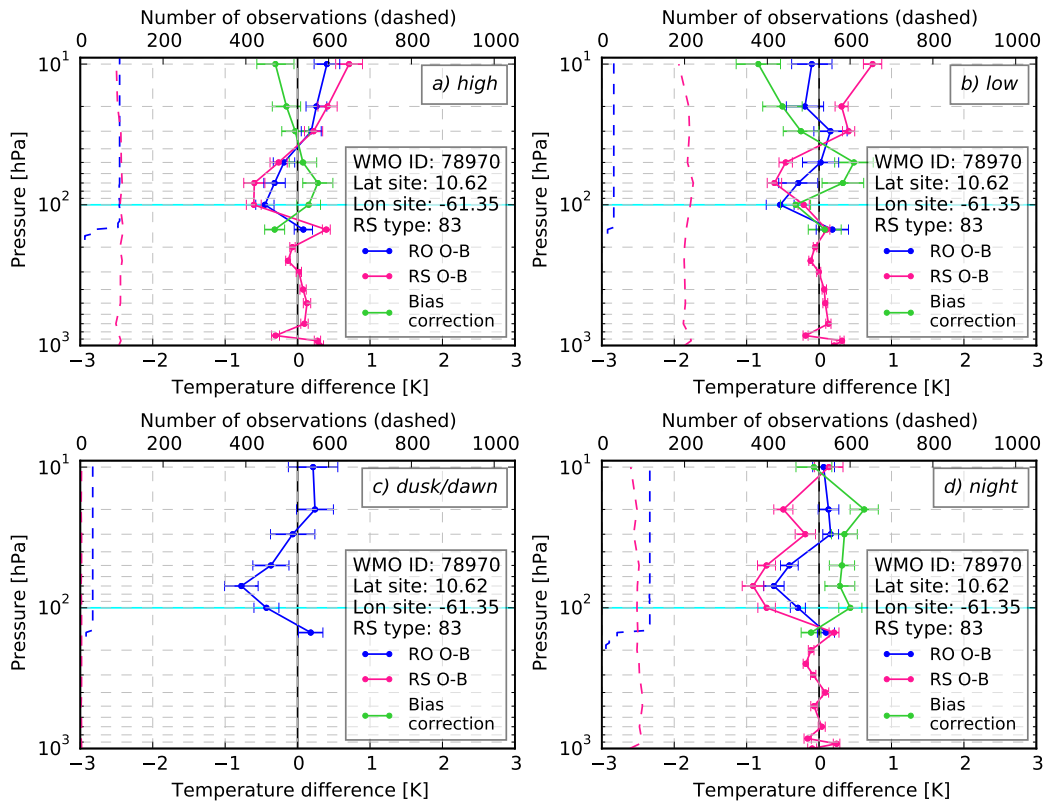
**Figure 1.604:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.605 WMO ID 78954



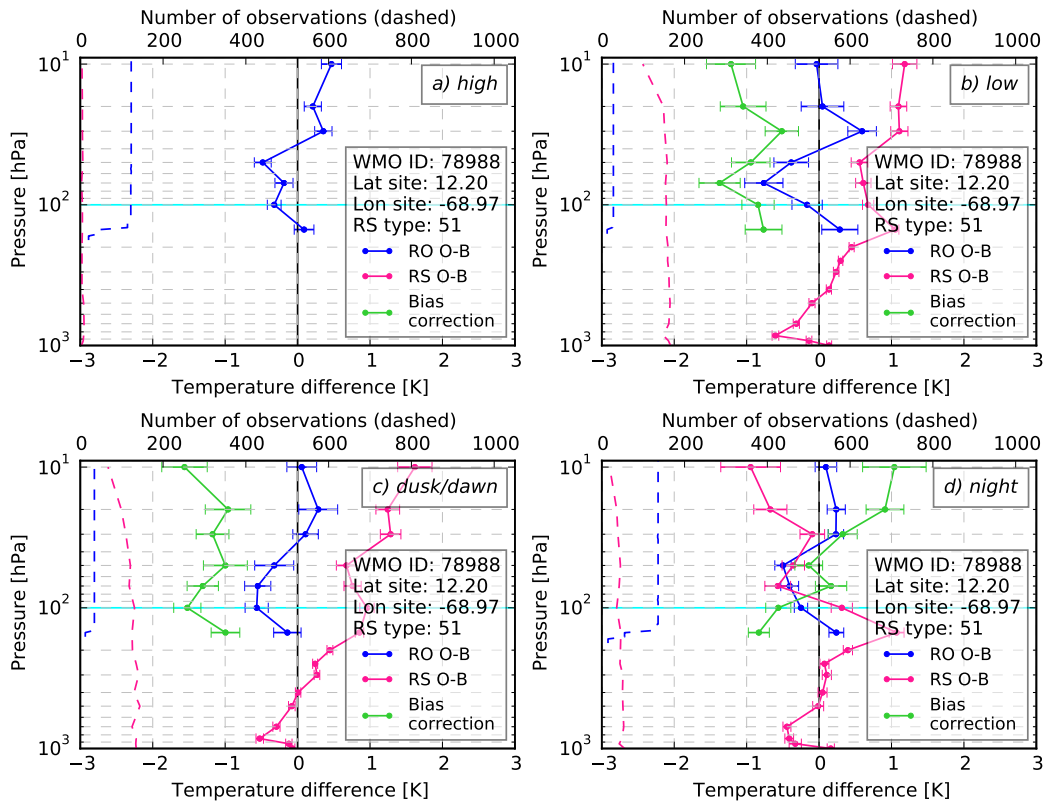
**Figure 1.605:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.606 WMO ID 78970



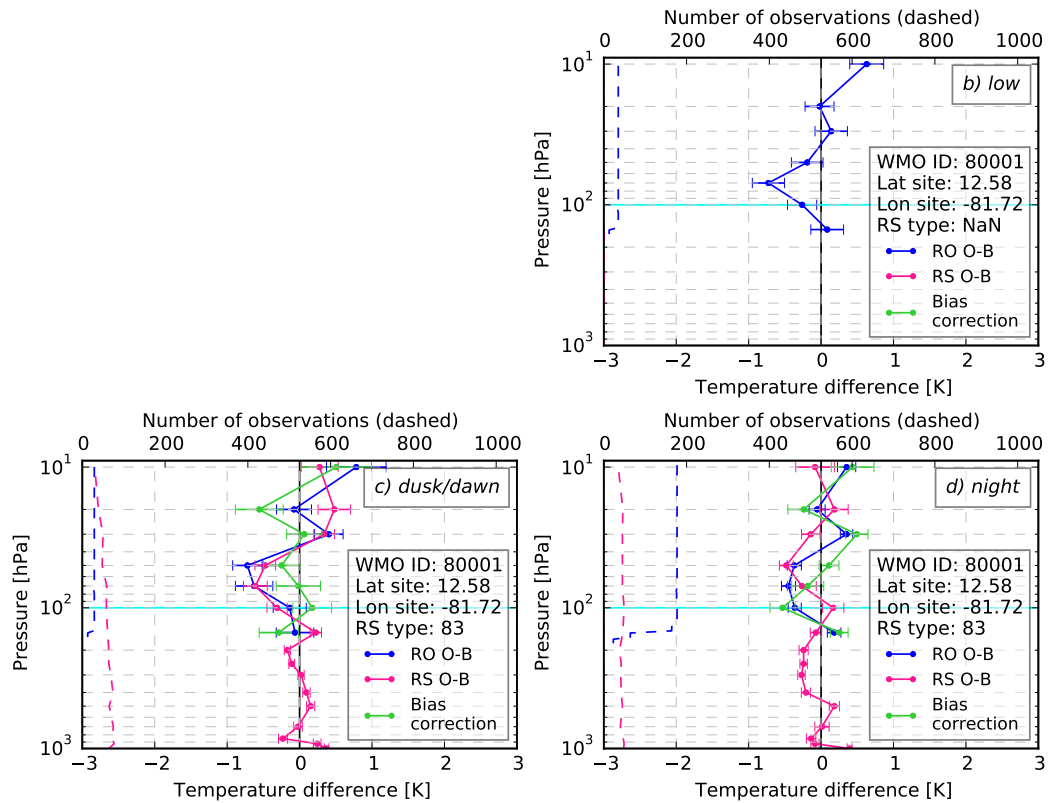
**Figure 1.606:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.607 WMO ID 78988



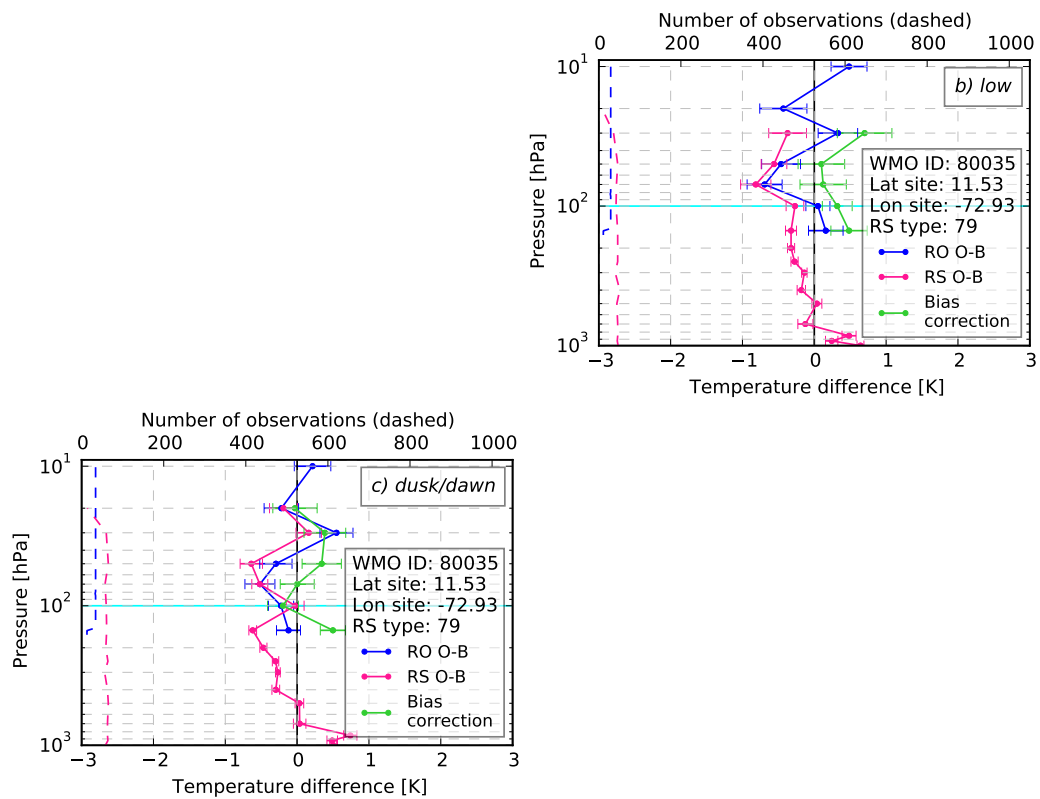
**Figure 1.607:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.608 WMO ID 80001



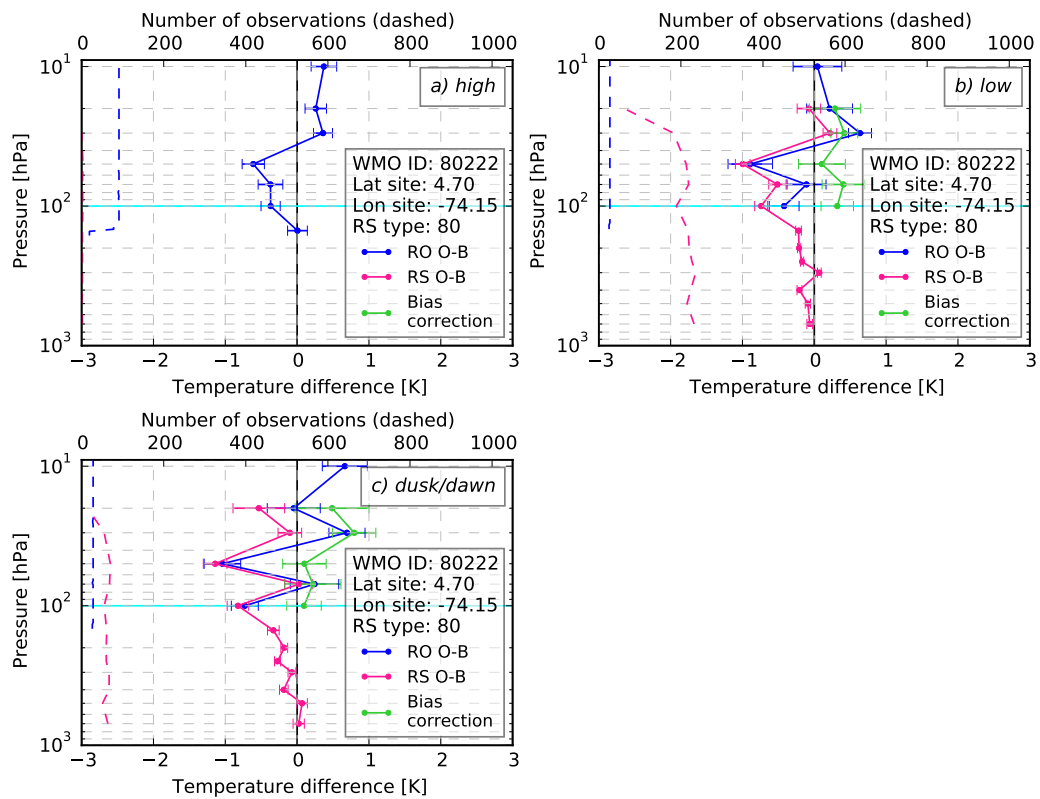
**Figure 1.608:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.609 WMO ID 80035



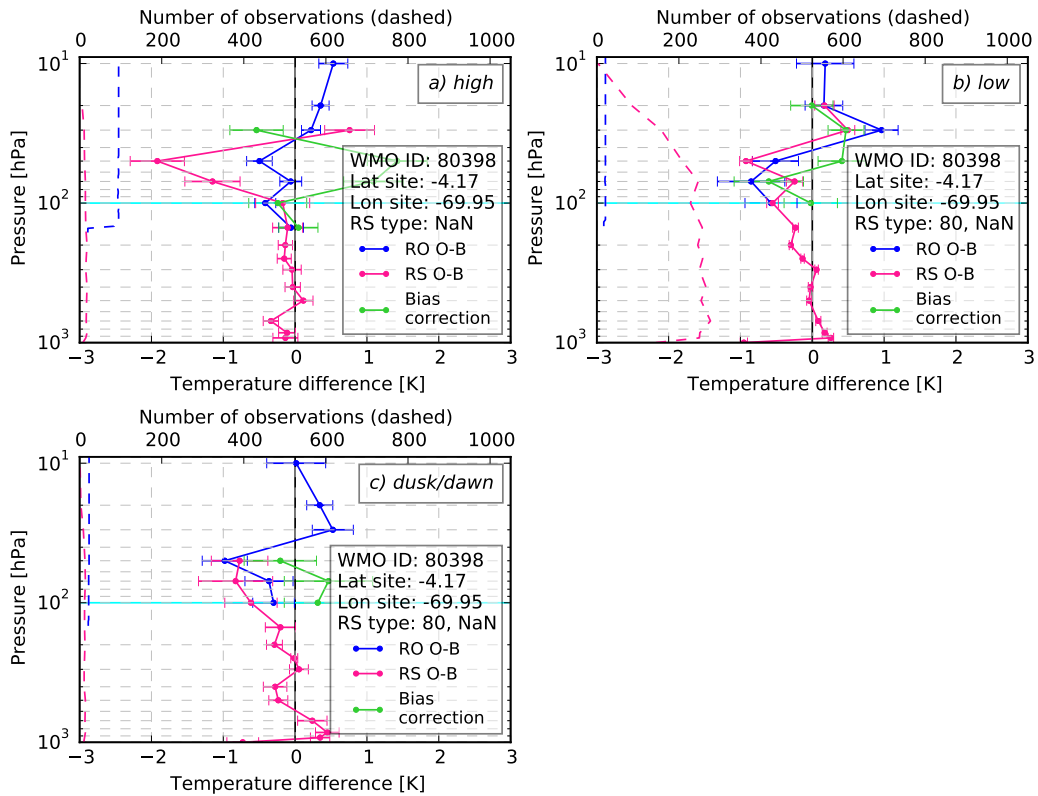
**Figure 1.609:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.610 WMO ID 80222



**Figure 1.610:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

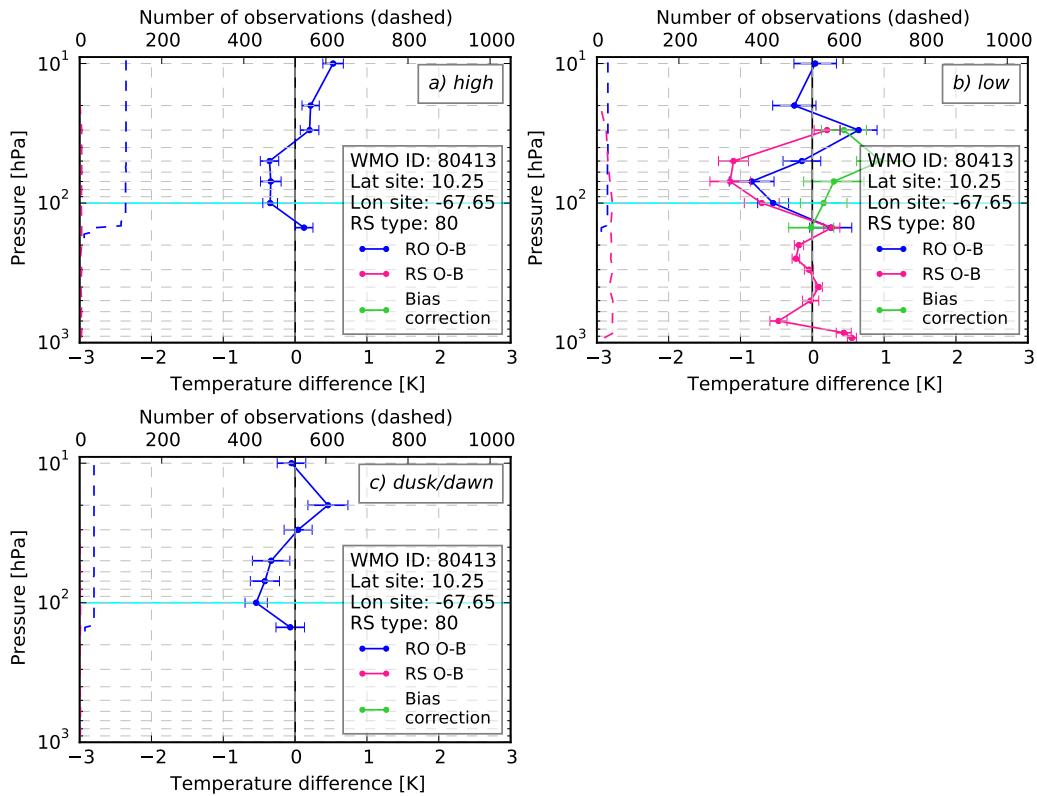
### 1.611 WMO ID 80398



**Figure 1.611:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

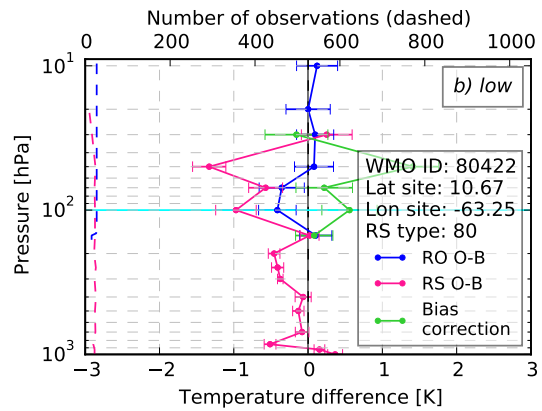


### 1.612 WMO ID 80413



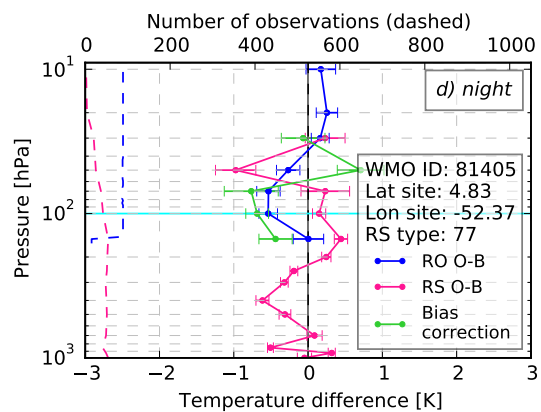
**Figure 1.612:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.613 WMO ID 80422



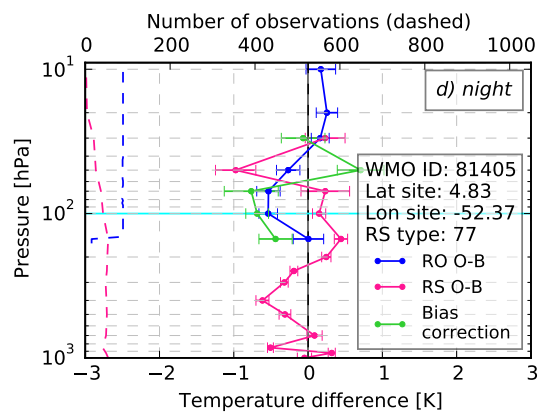
**Figure 1.613:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.614 WMO ID 81405



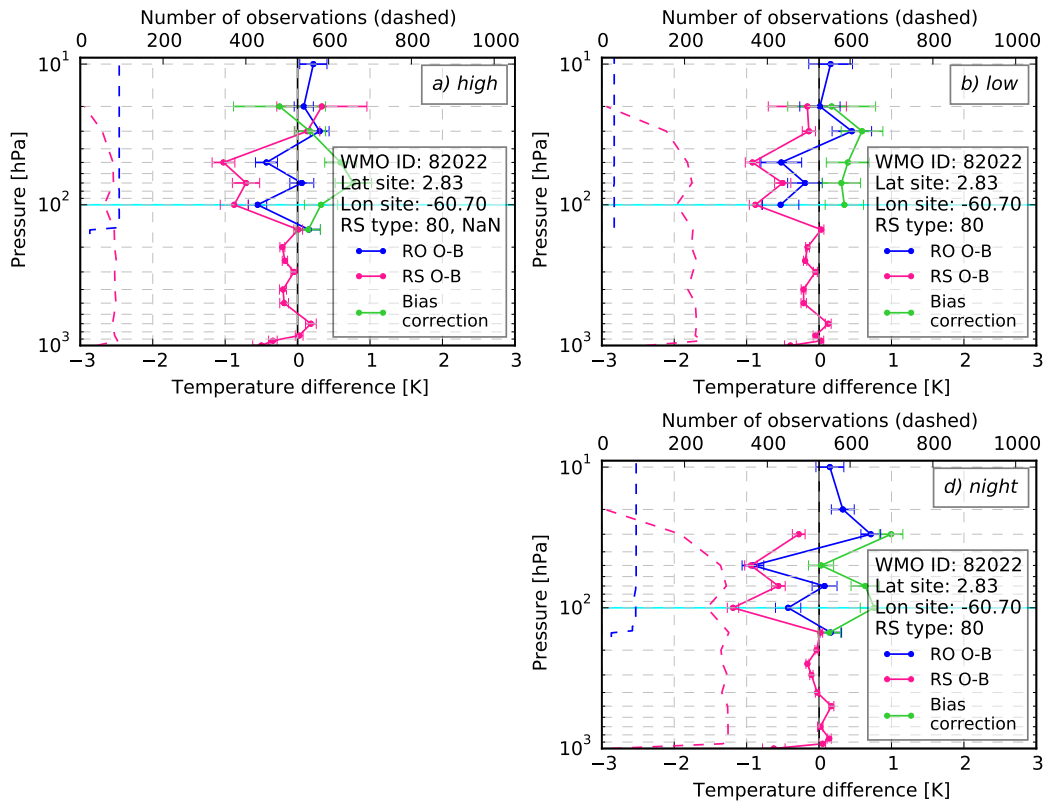
**Figure 1.614:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.615 WMO ID 81405



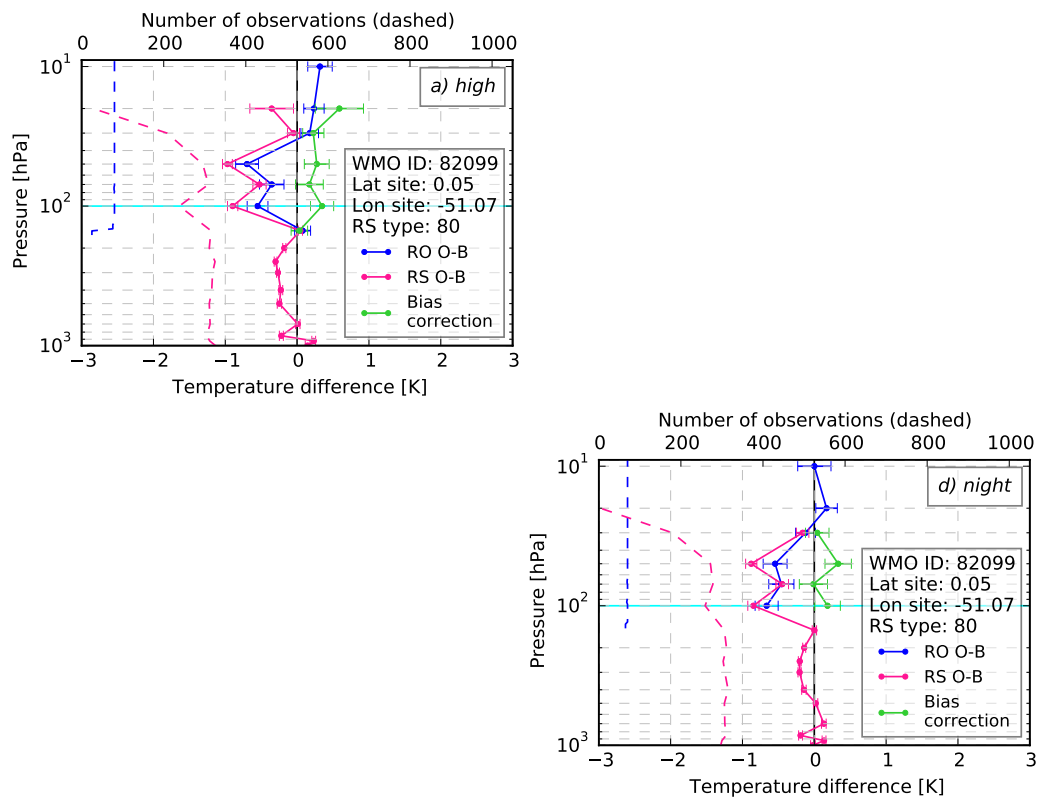
**Figure 1.615:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.616 WMO ID 82022



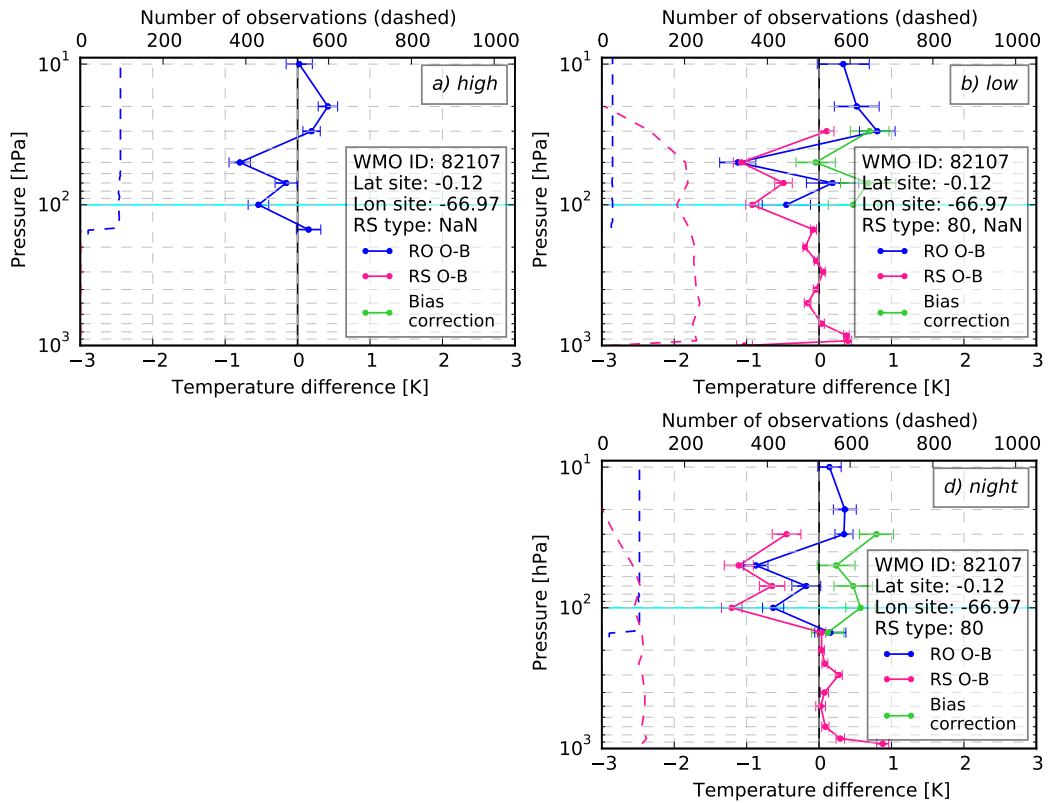
**Figure 1.616:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.617 WMO ID 82099



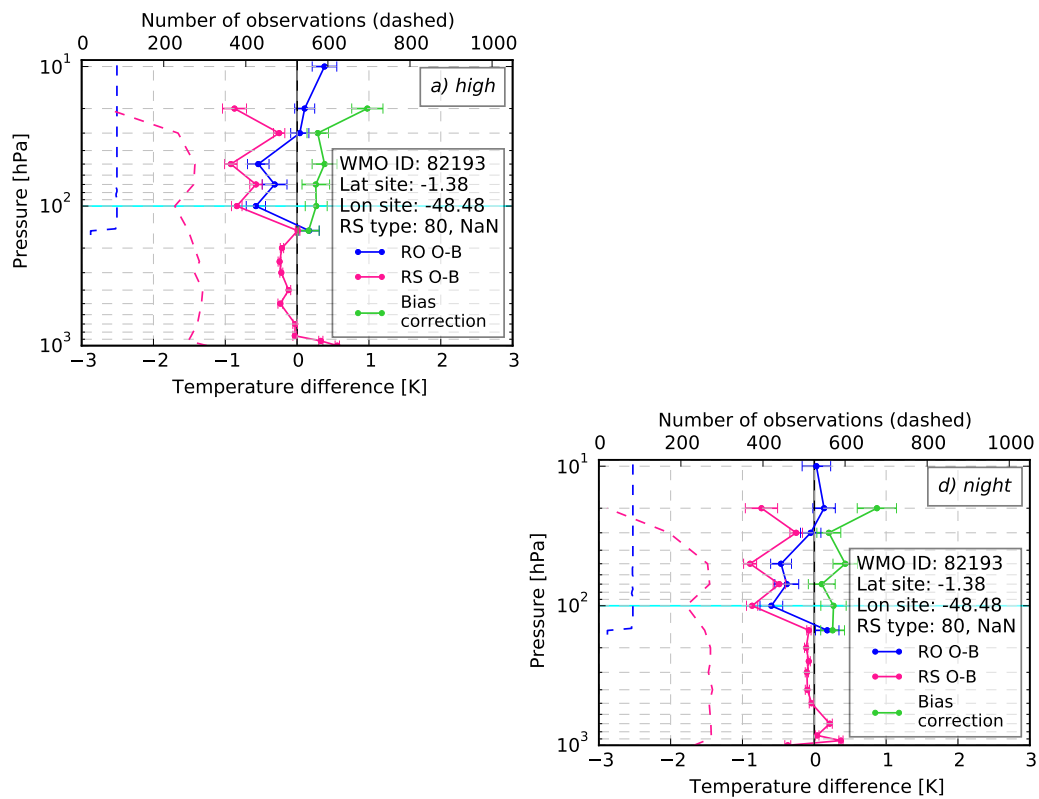
**Figure 1.617:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.618 WMO ID 82107



**Figure 1.618:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

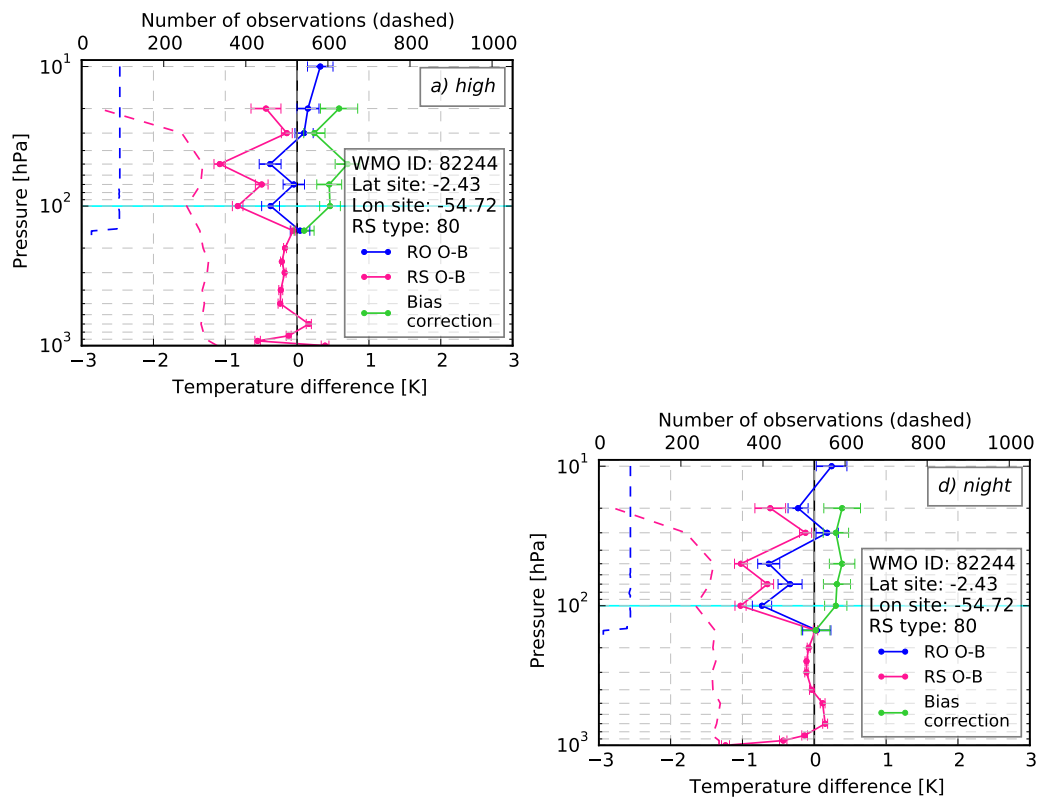
### 1.619 WMO ID 82193



**Figure 1.619:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

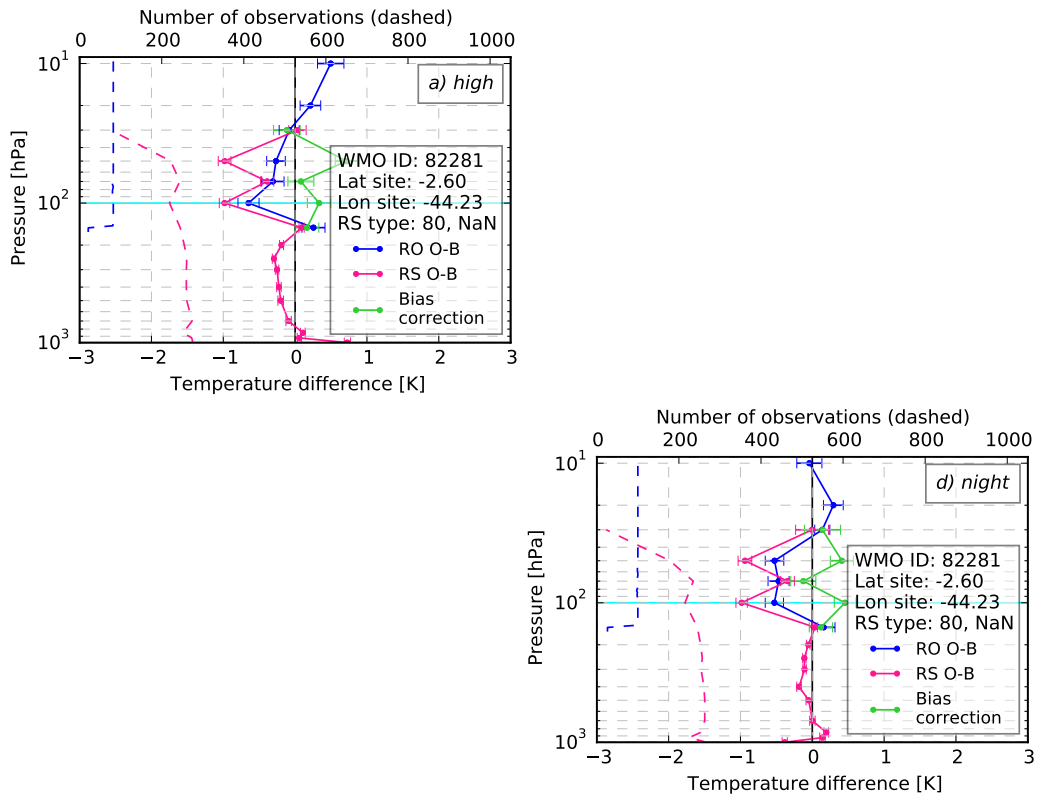


### 1.620 WMO ID 82244



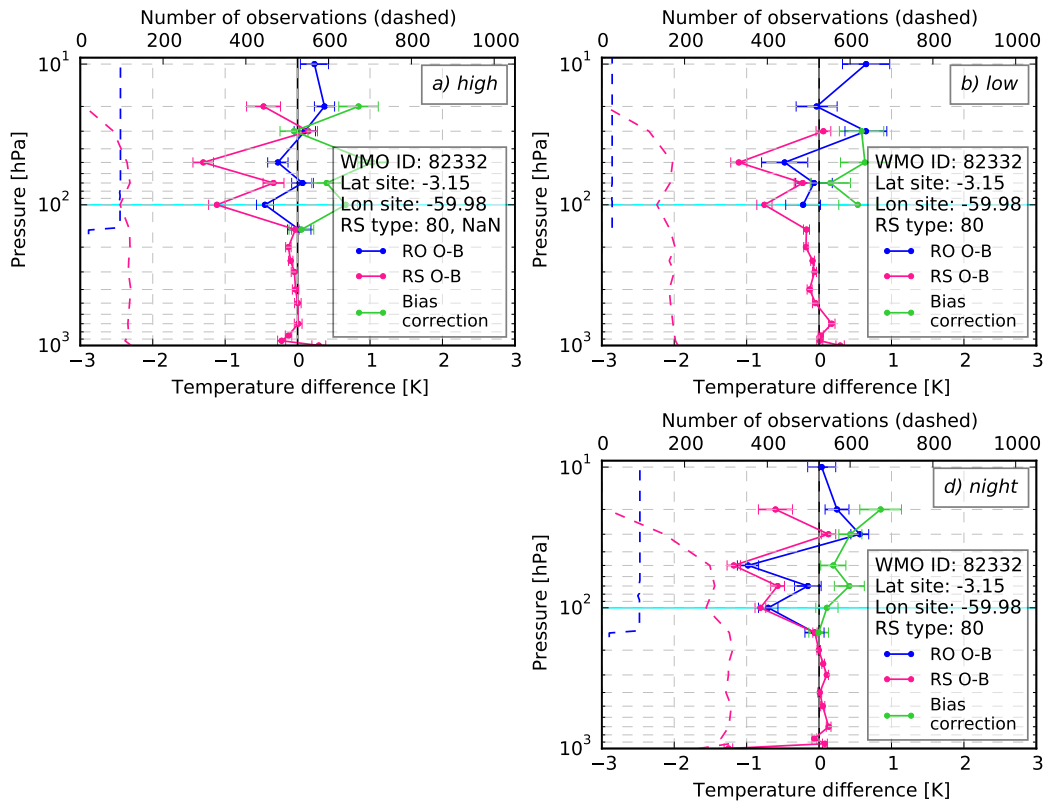
**Figure 1.620:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.621 WMO ID 82281



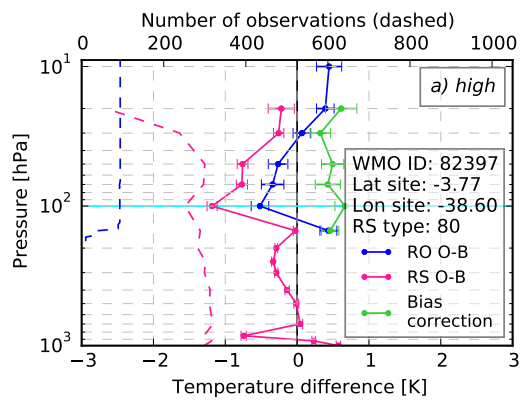
**Figure 1.621:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.622 WMO ID 82332



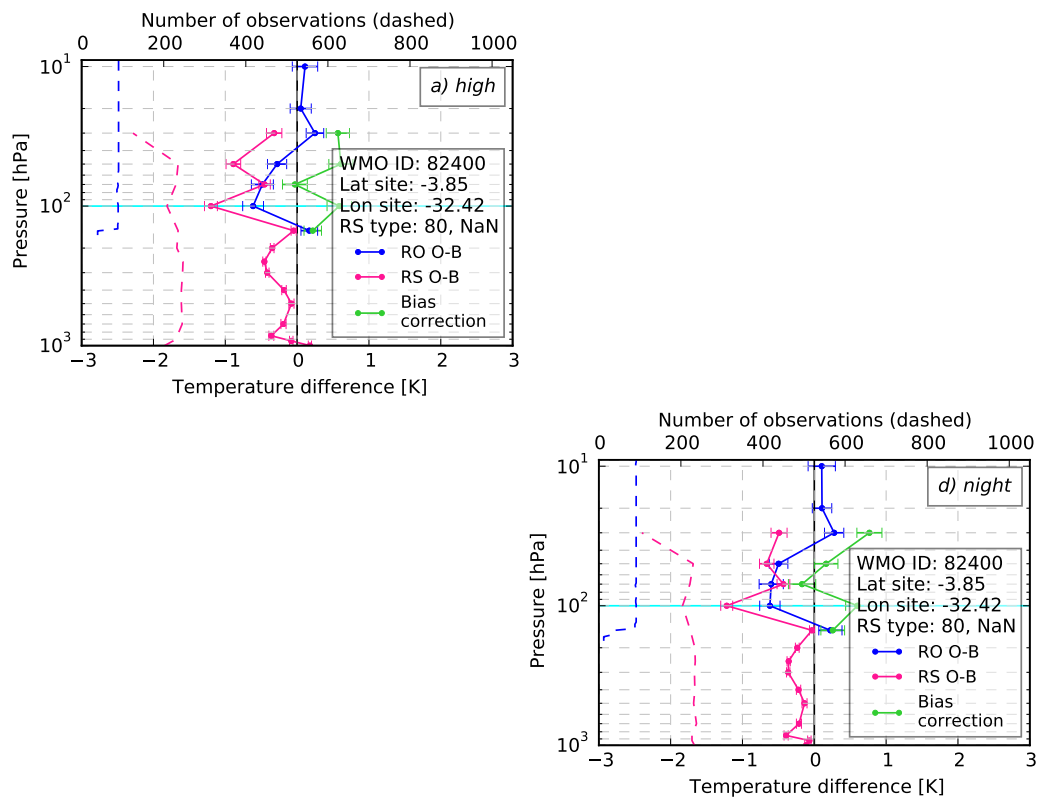
**Figure 1.622:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.623 WMO ID 82397



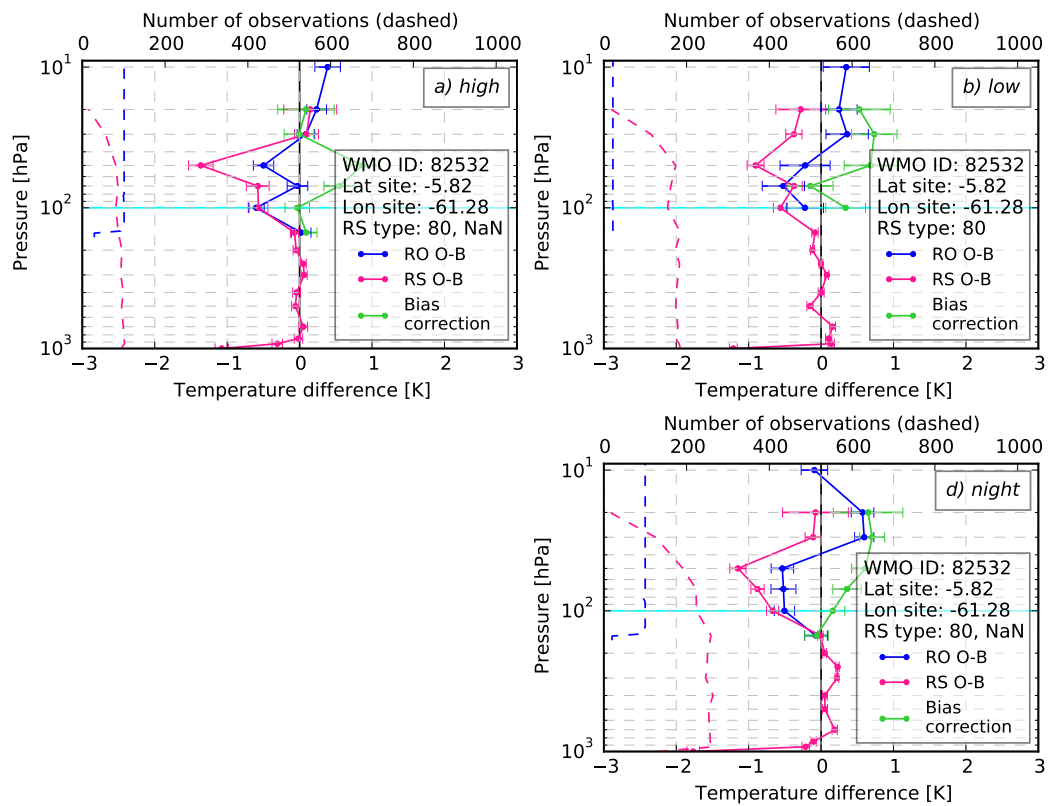
**Figure 1.623:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.624 WMO ID 82400



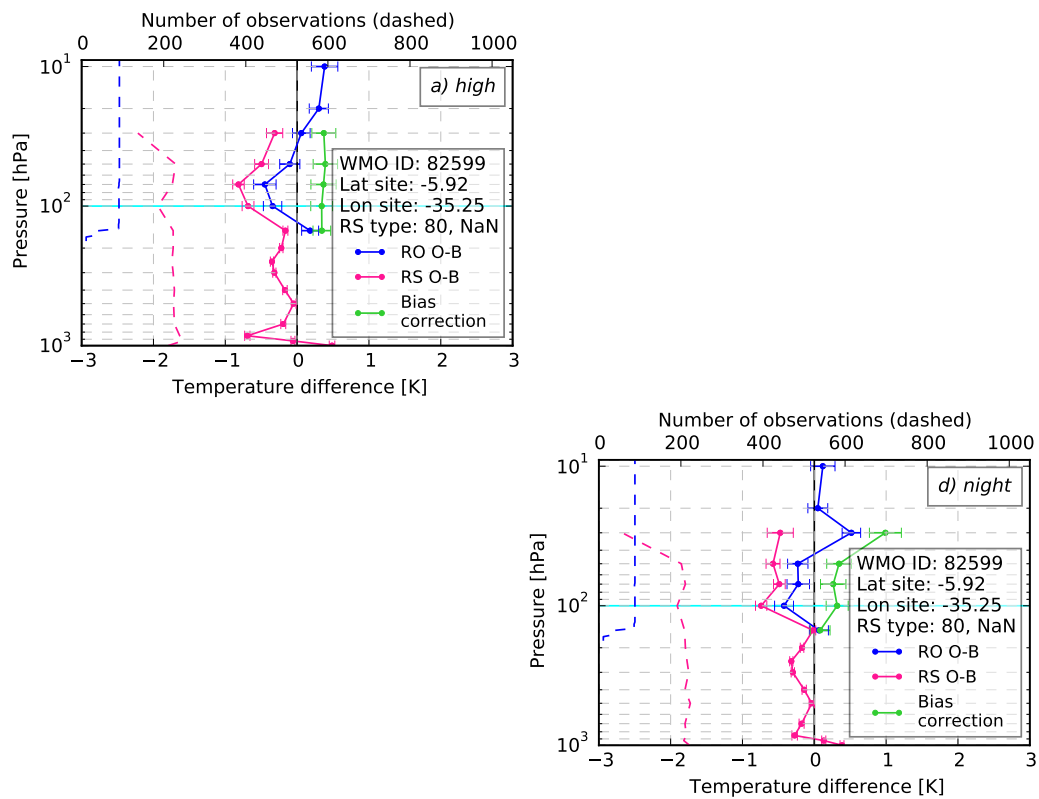
**Figure 1.624:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.625 WMO ID 82532



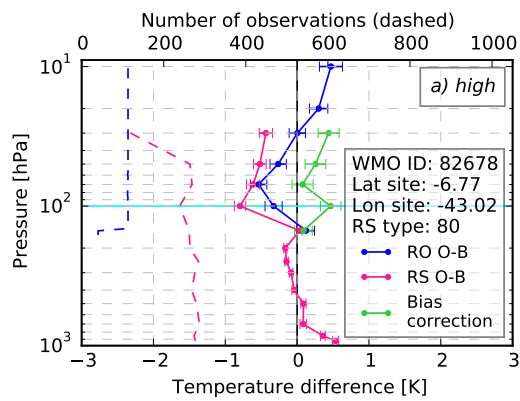
**Figure 1.625:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.626 WMO ID 82599



**Figure 1.626:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

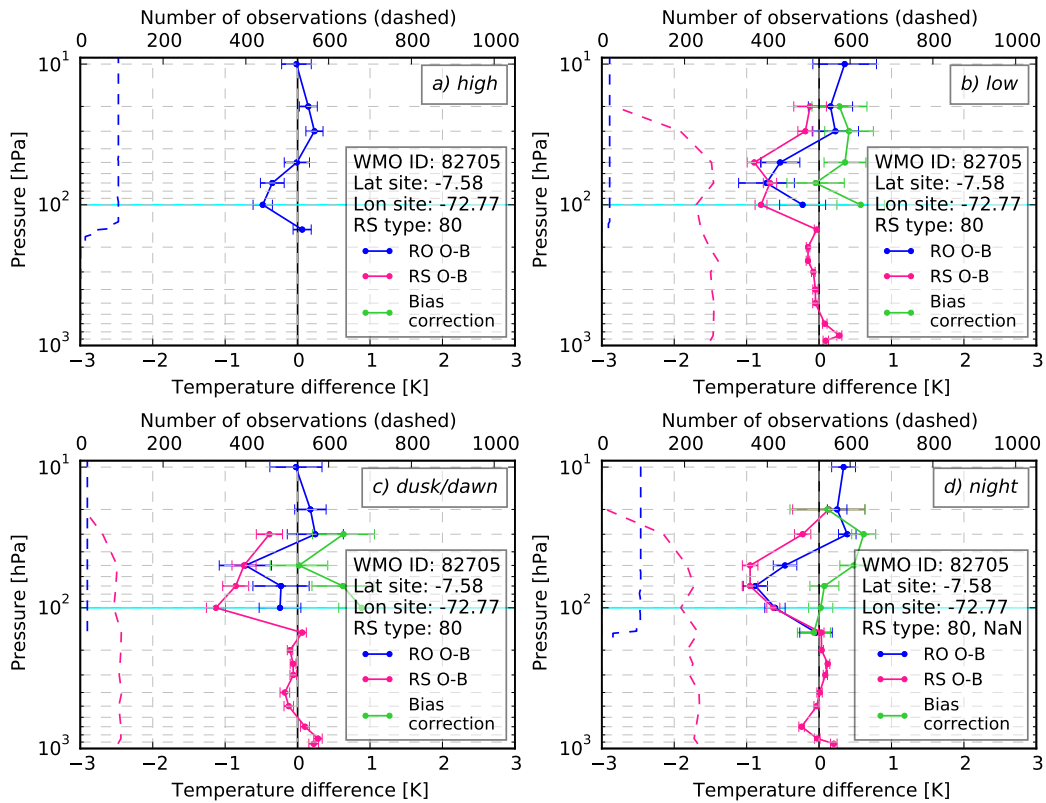
### 1.627 WMO ID 82678



**Figure 1.627:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

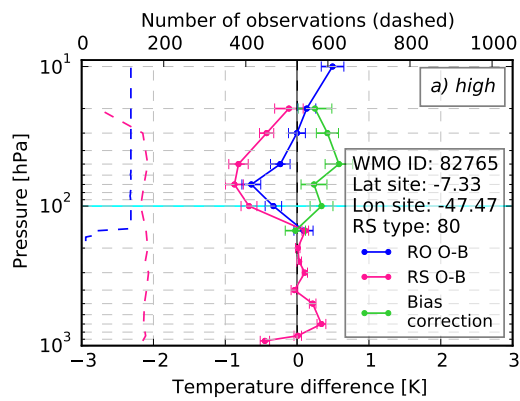


### 1.628 WMO ID 82705



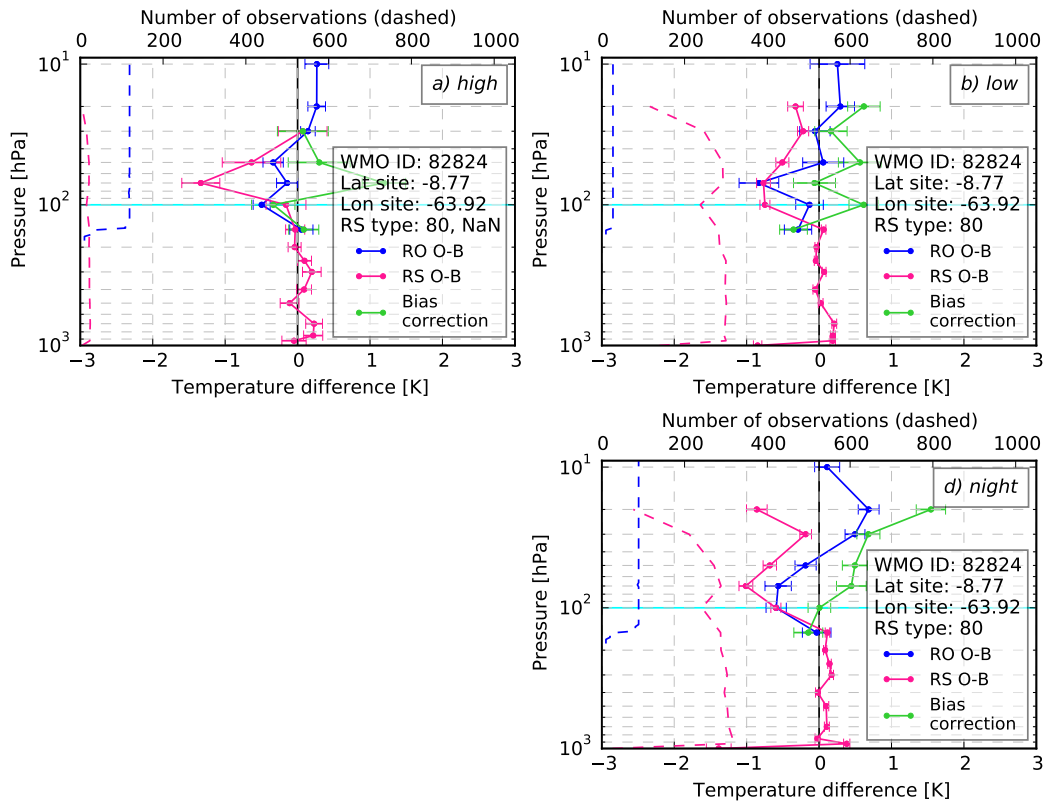
**Figure 1.628:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.629 WMO ID 82765



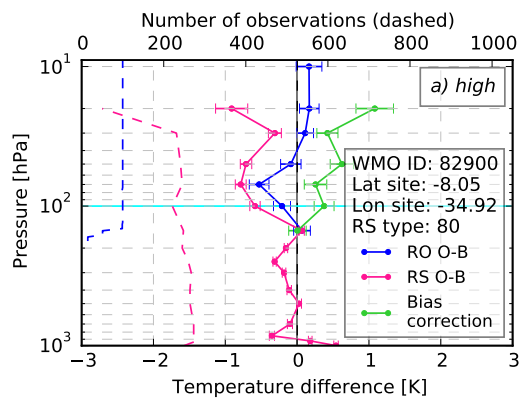
**Figure 1.629:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.630 WMO ID 82824



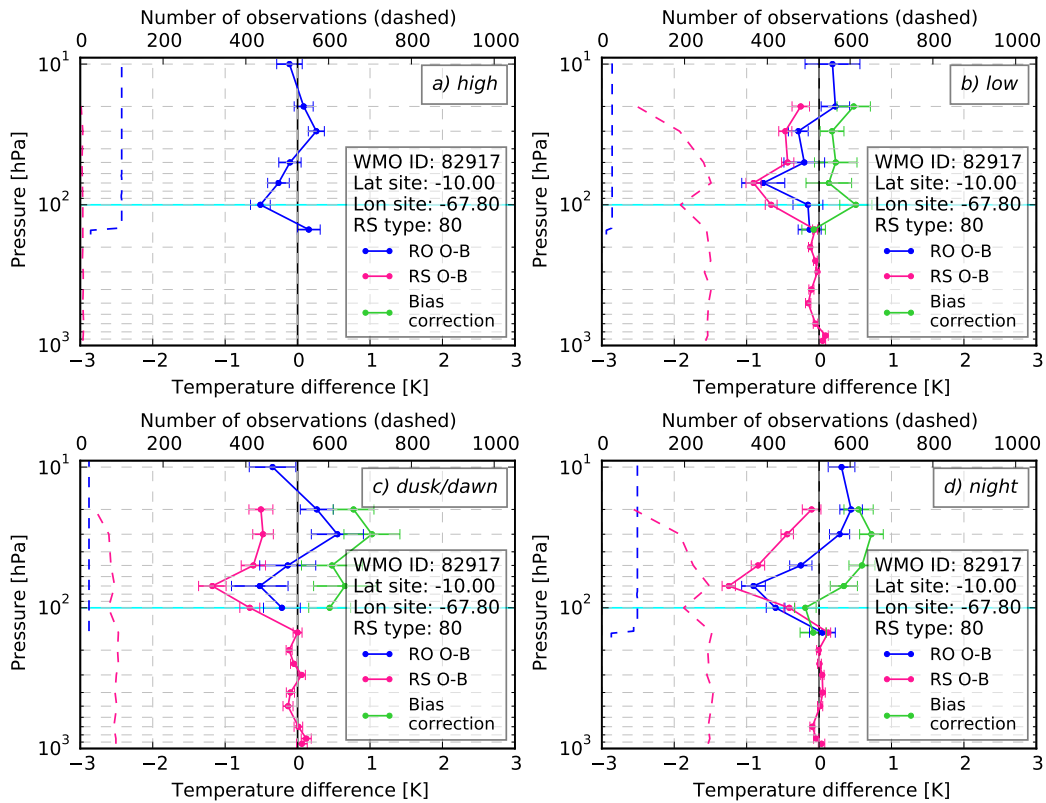
**Figure 1.630:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.631 WMO ID 82900



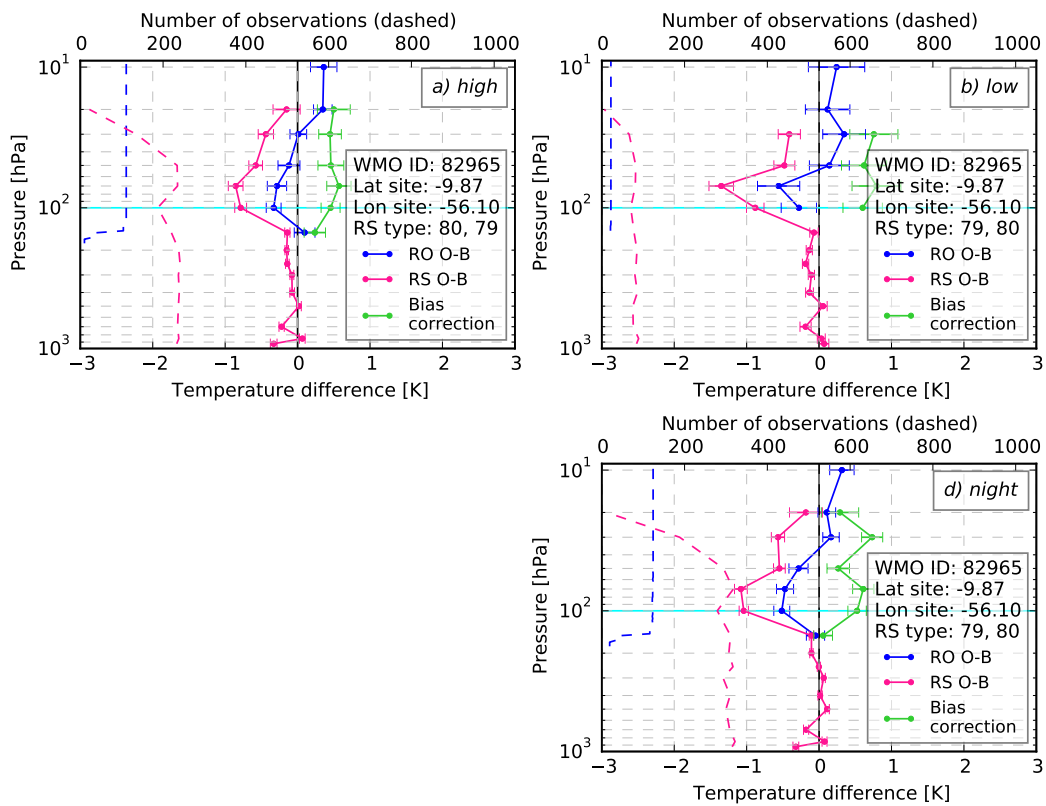
**Figure 1.631:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.632 WMO ID 82917



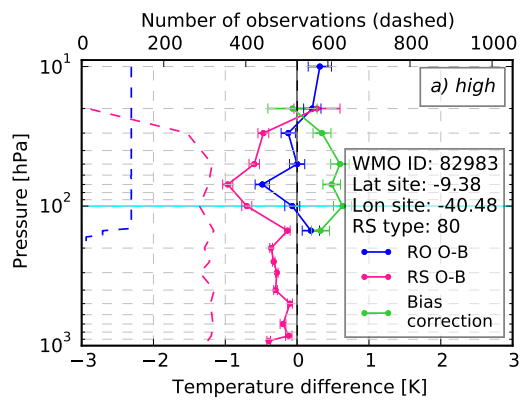
**Figure 1.632:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.633 WMO ID 82965



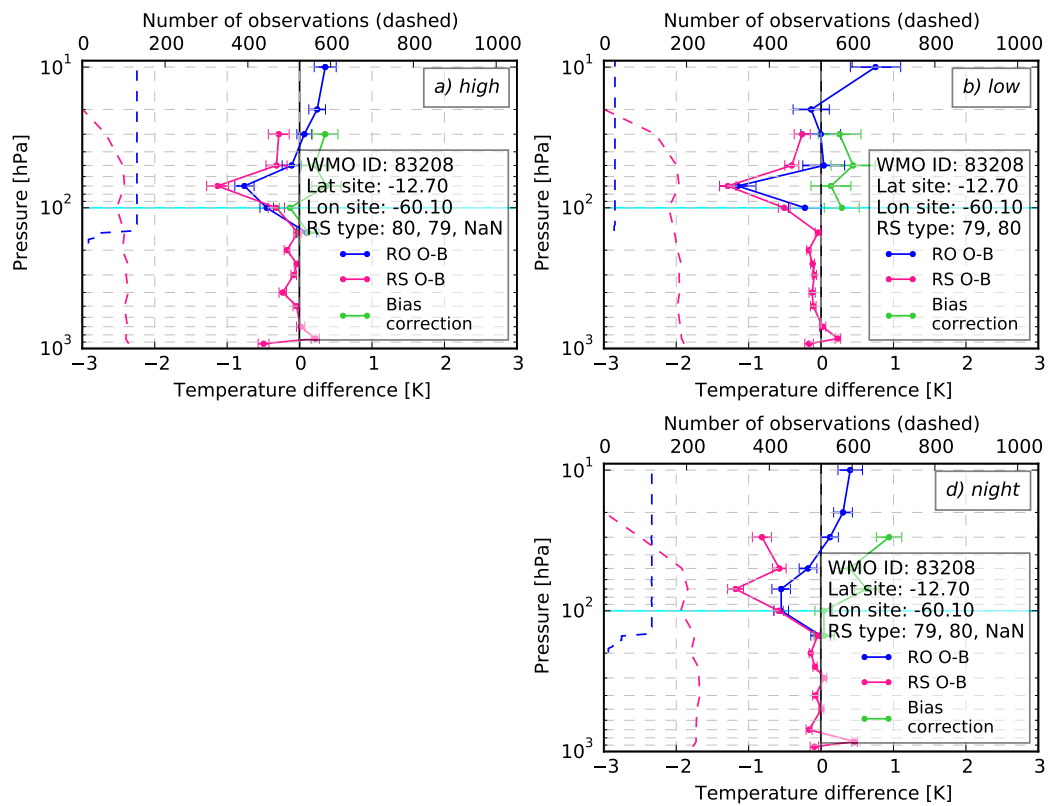
**Figure 1.633:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.634 WMO ID 82983



**Figure 1.634:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

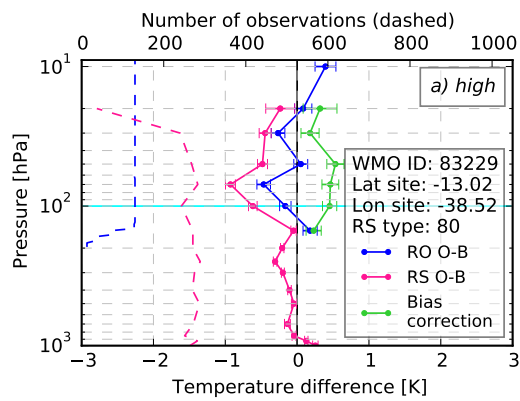
### 1.635 WMO ID 83208



**Figure 1.635:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

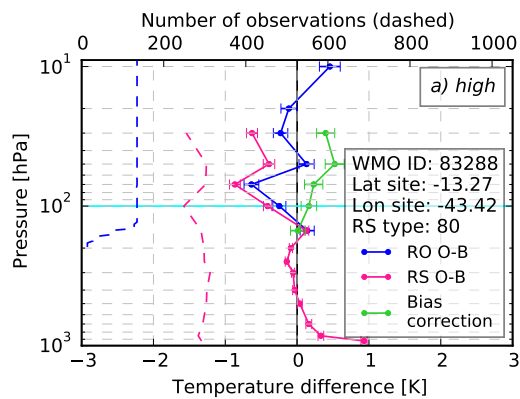


### 1.636 WMO ID 83229



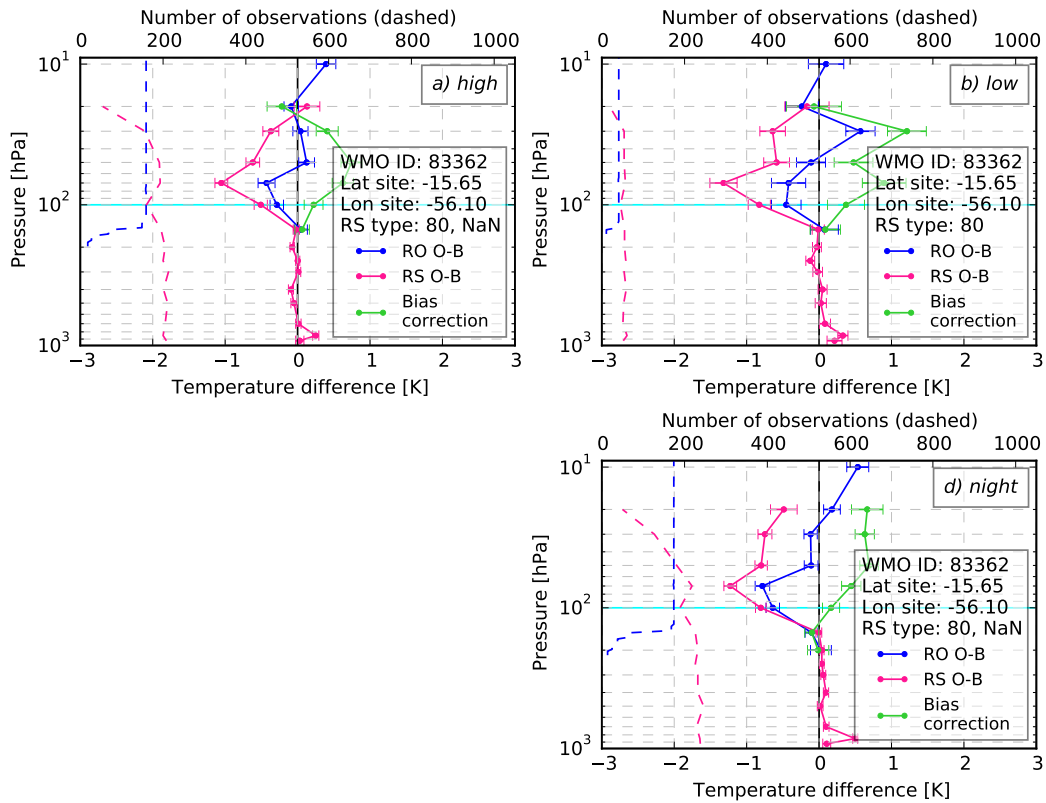
**Figure 1.636:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.637 WMO ID 83288



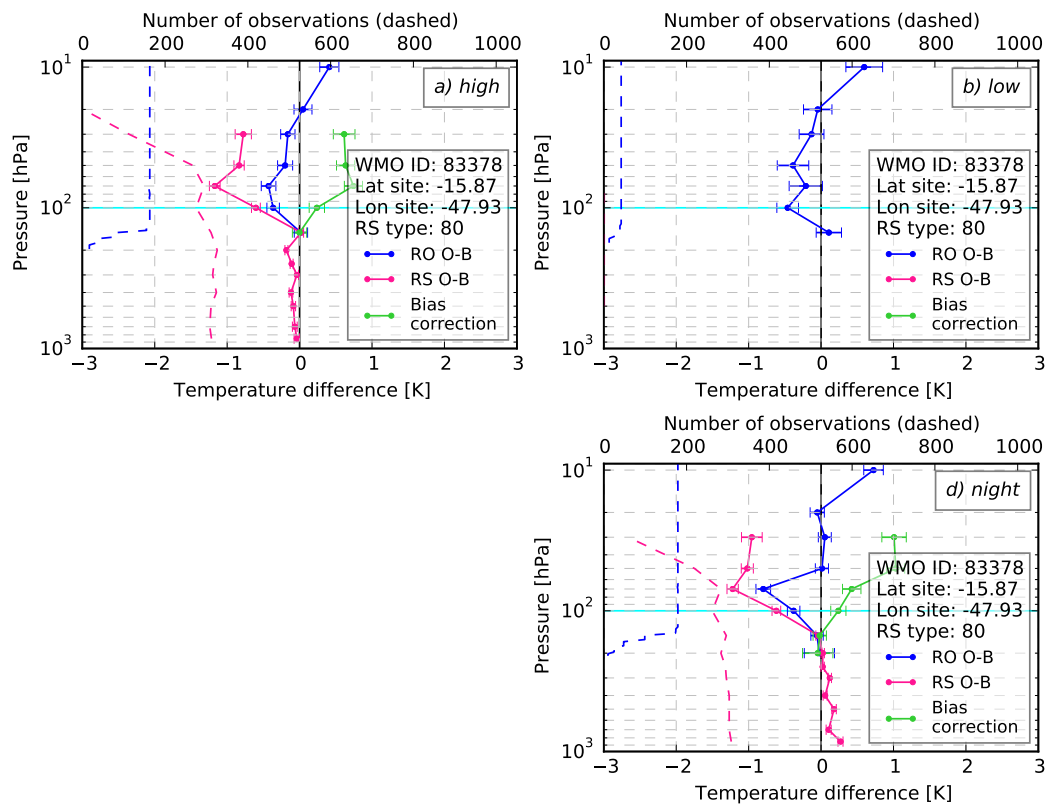
**Figure 1.637:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.638 WMO ID 83362



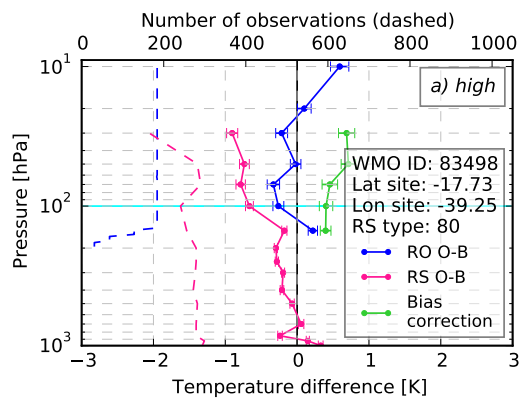
**Figure 1.638:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.639 WMO ID 83378



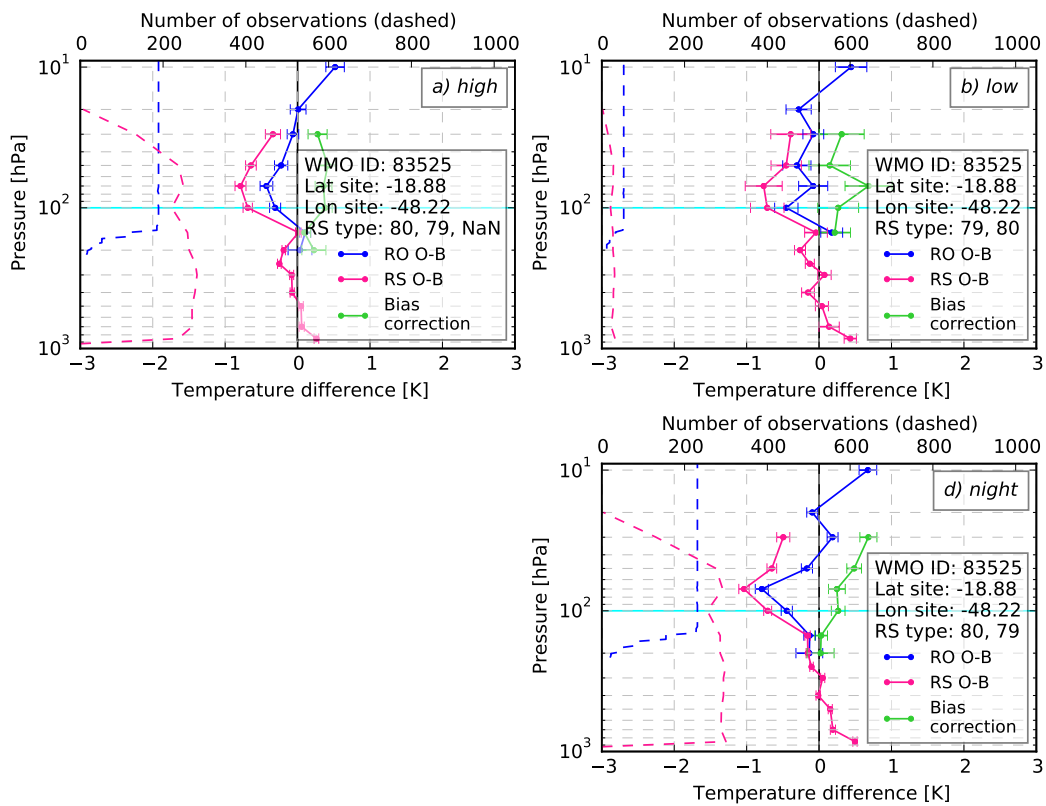
**Figure 1.639:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.640 WMO ID 83498



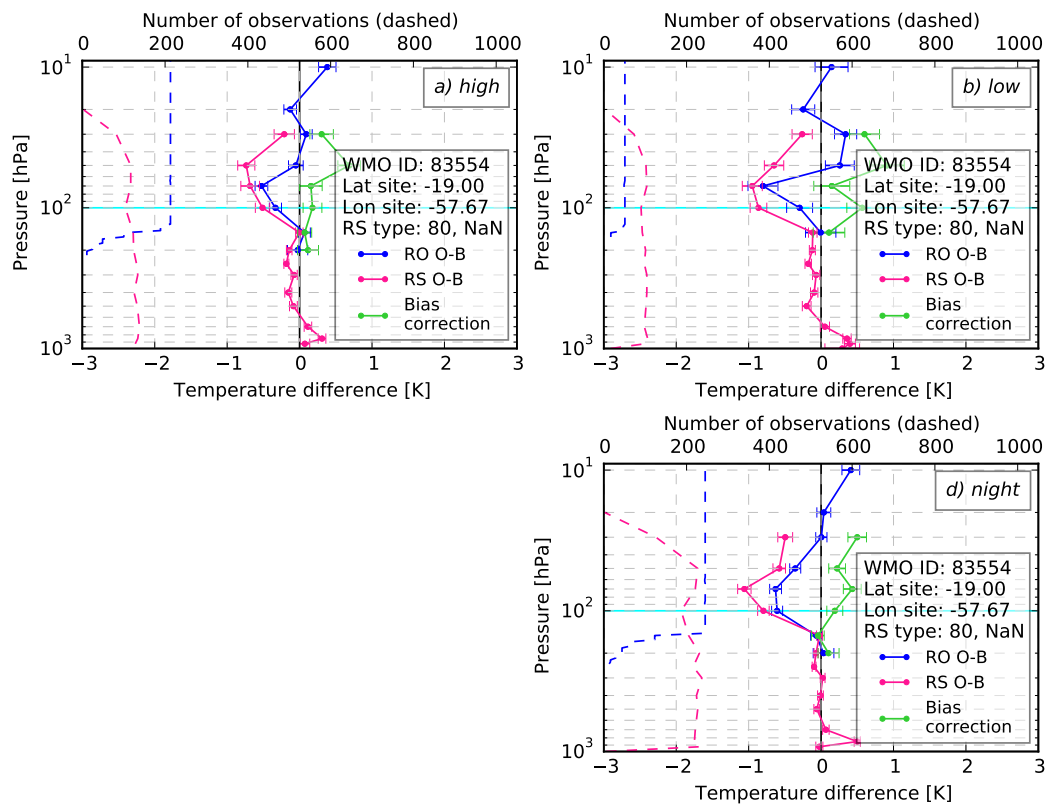
**Figure 1.640:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.641 WMO ID 83525



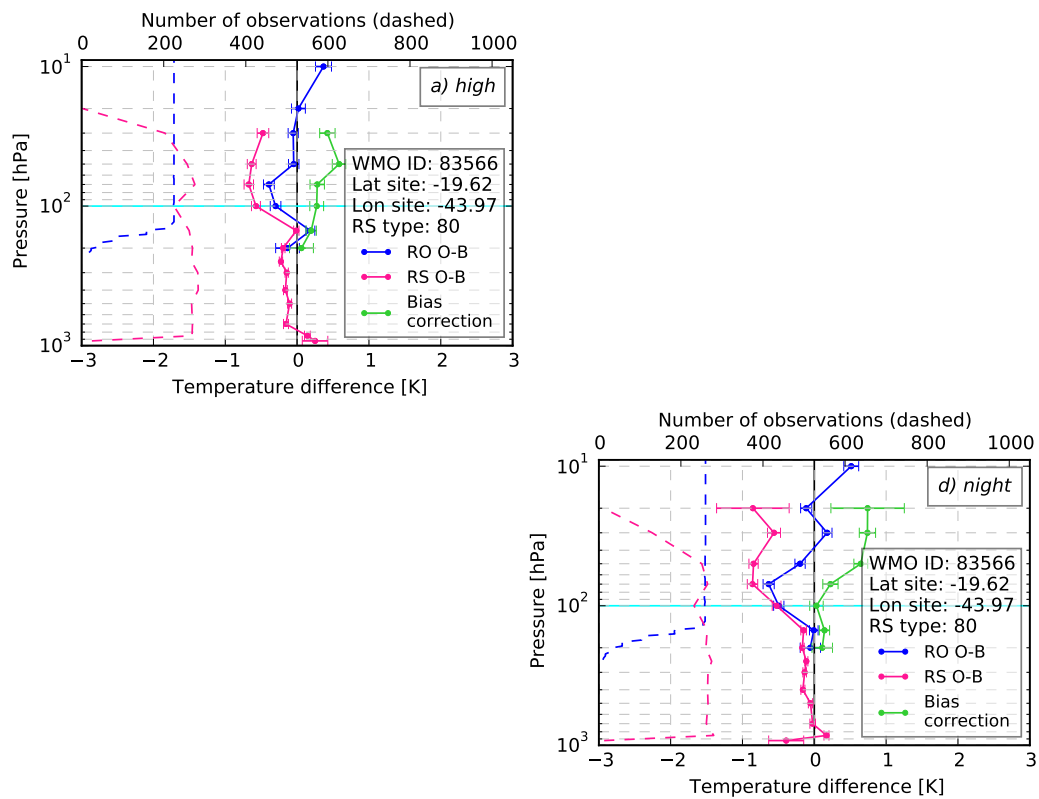
**Figure 1.641:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.642 WMO ID 83554



*Figure 1.642: RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.*

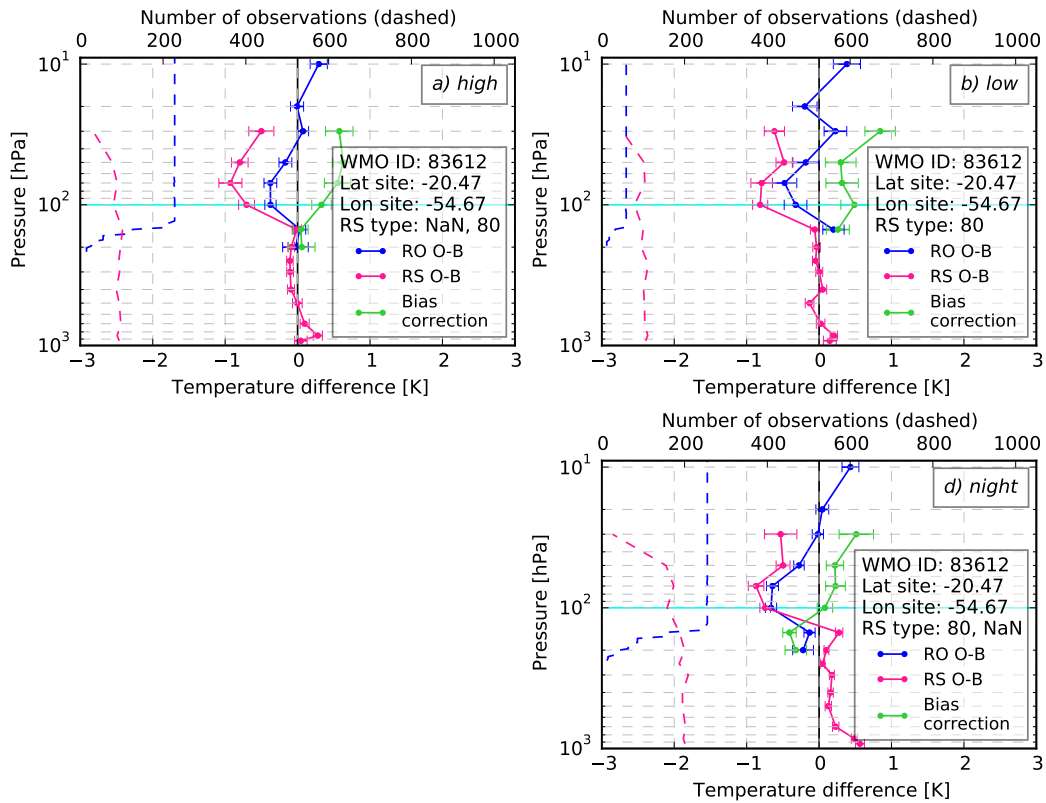
### 1.643 WMO ID 83566



**Figure 1.643:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

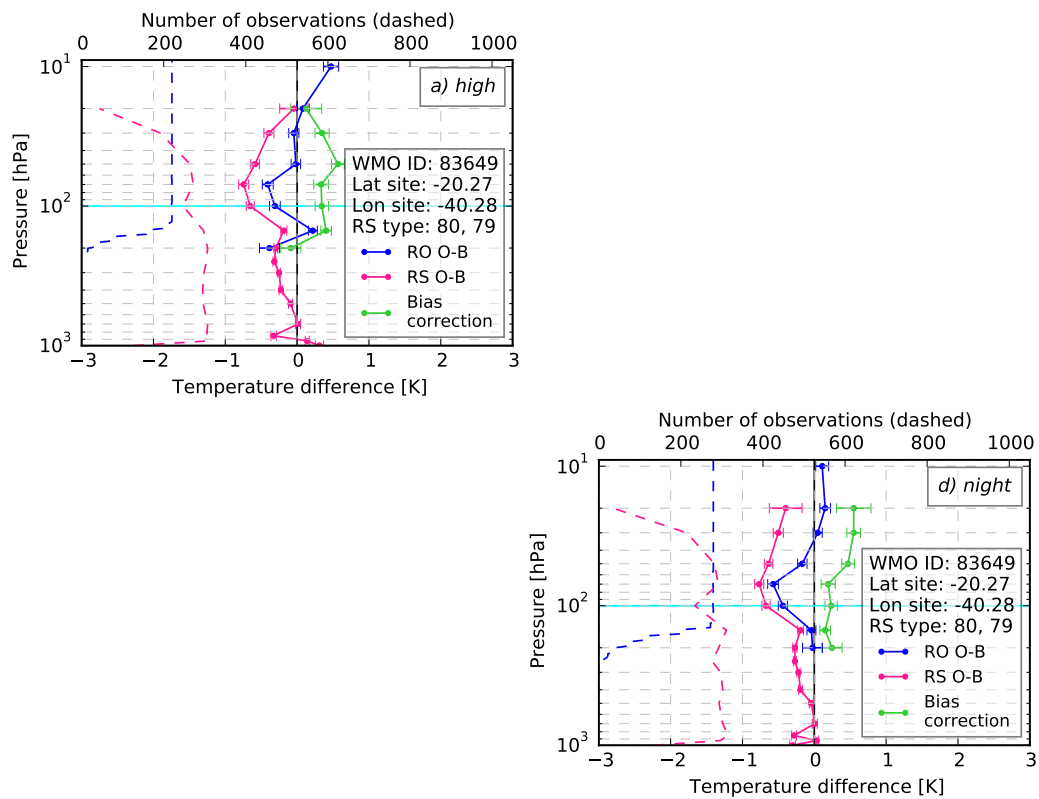


### 1.644 WMO ID 83612



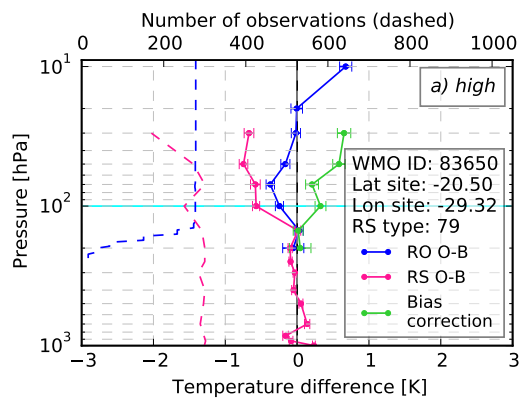
**Figure 1.644:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.645 WMO ID 83649



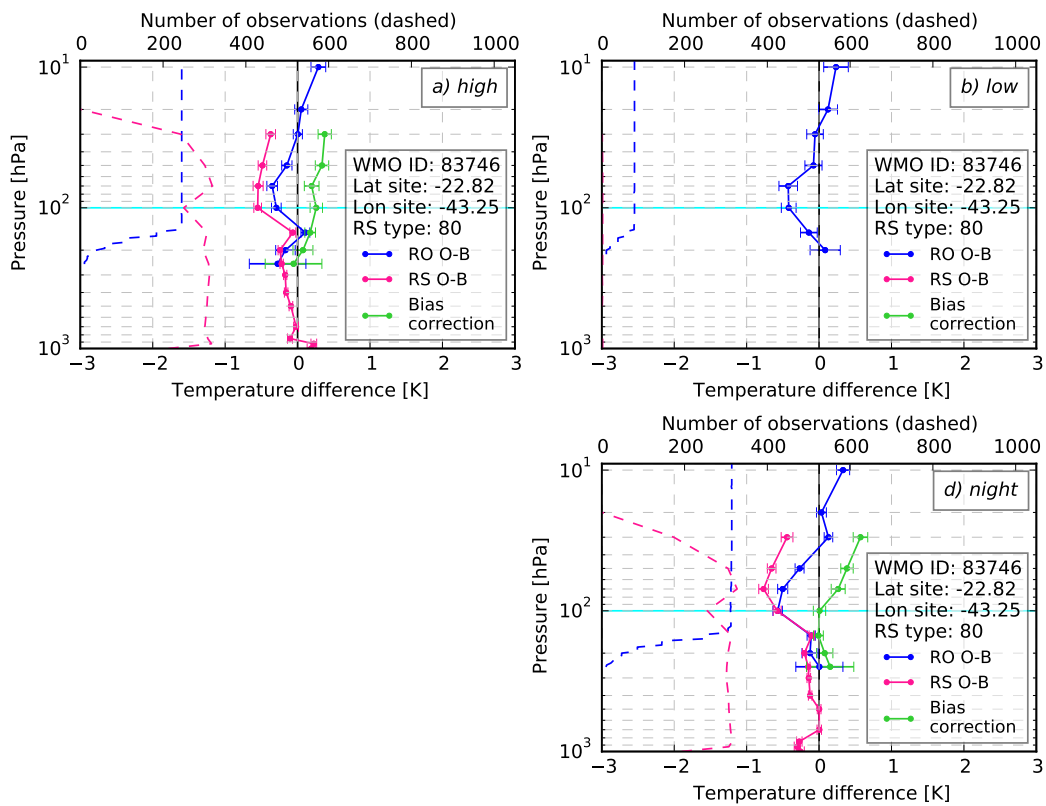
**Figure 1.645:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.646 WMO ID 83650



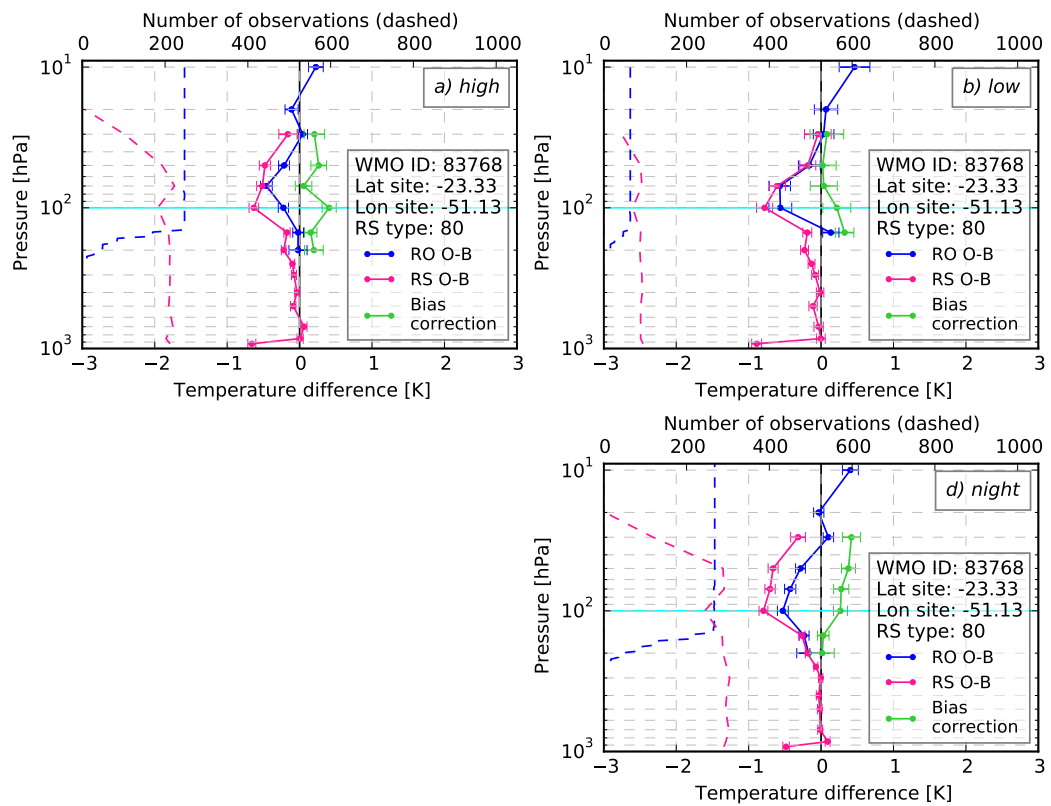
**Figure 1.646:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.647 WMO ID 83746



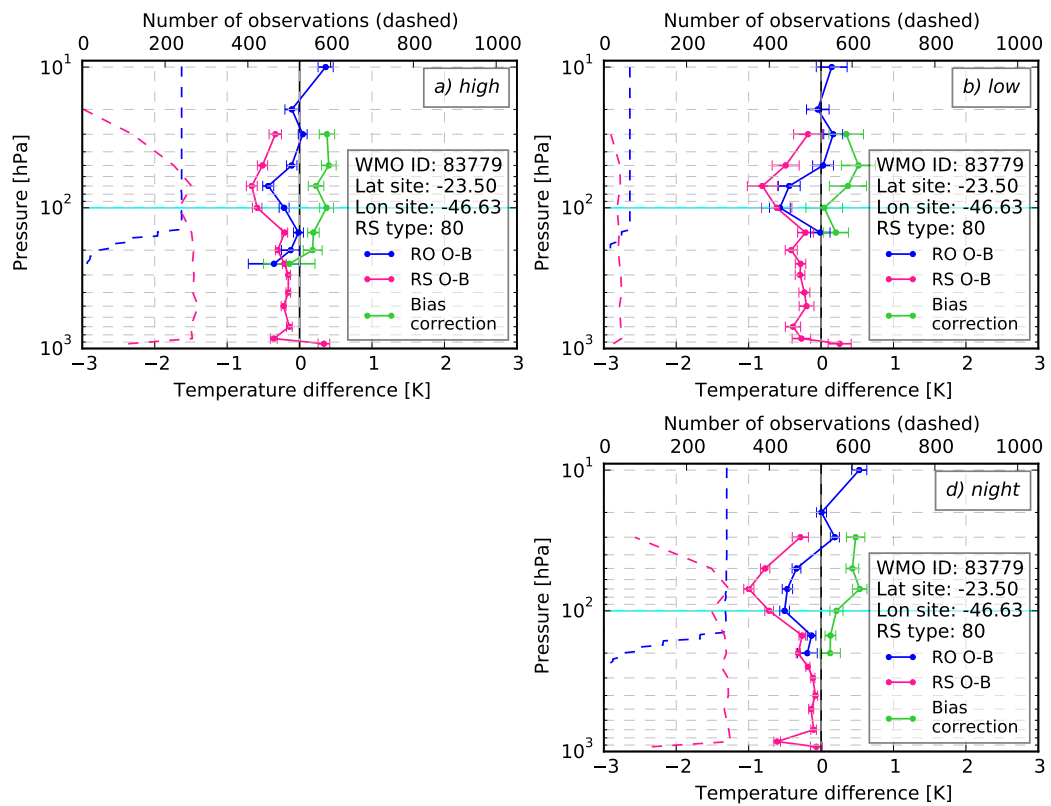
**Figure 1.647:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.648 WMO ID 83768



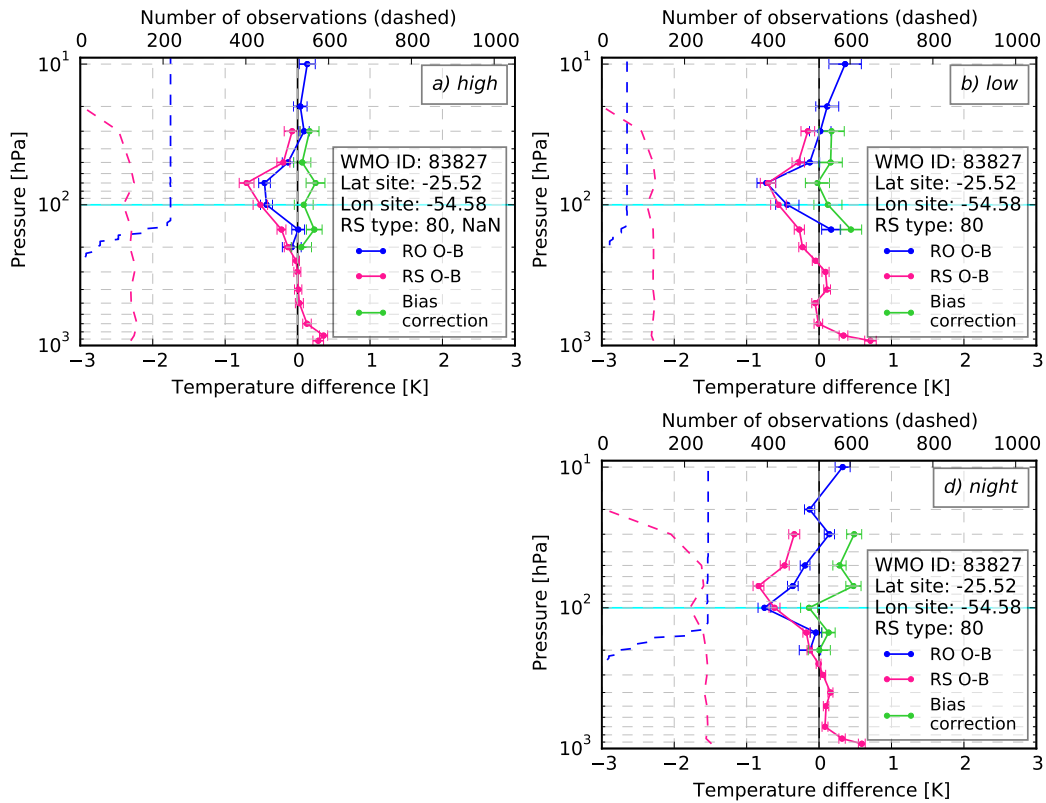
**Figure 1.648:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.649 WMO ID 83779



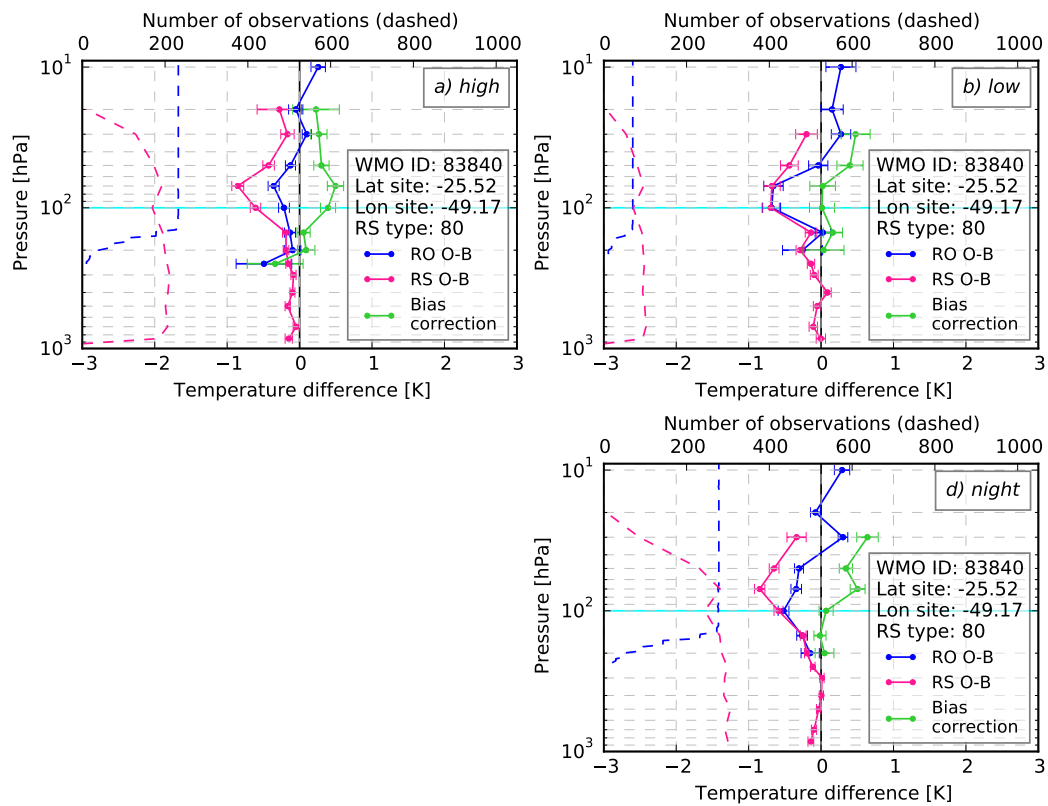
**Figure 1.649:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.650 WMO ID 83827



**Figure 1.650:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

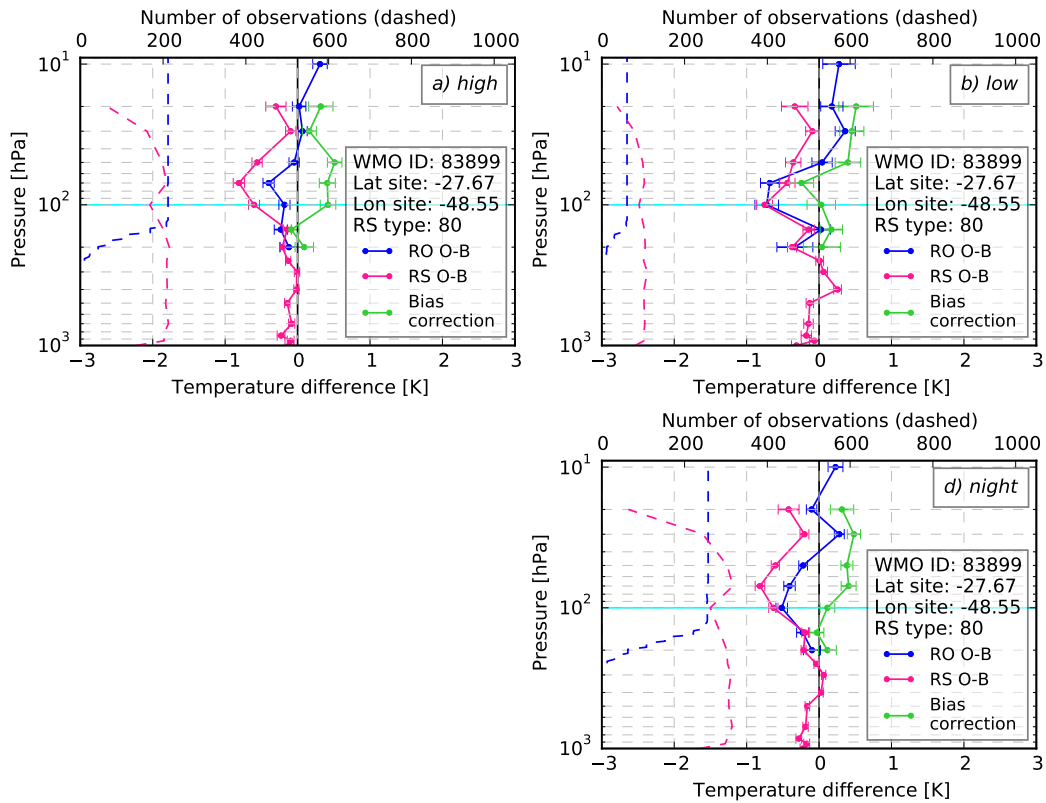
### 1.651 WMO ID 83840



**Figure 1.651:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

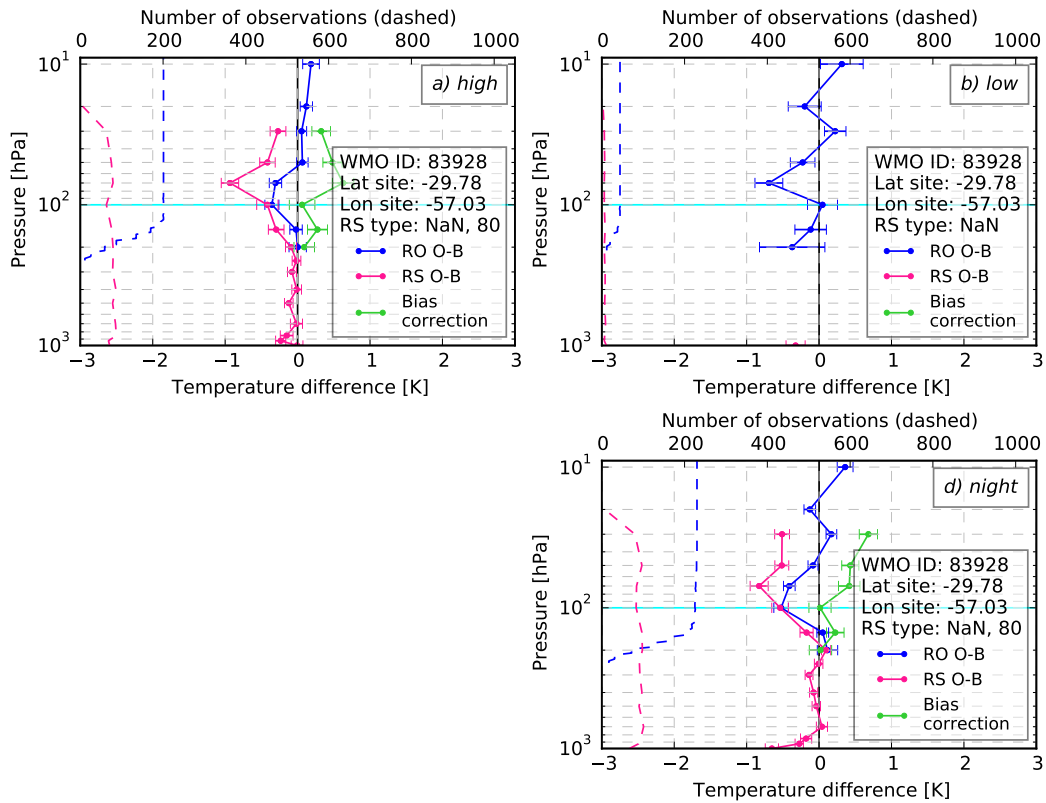


### 1.652 WMO ID 83899



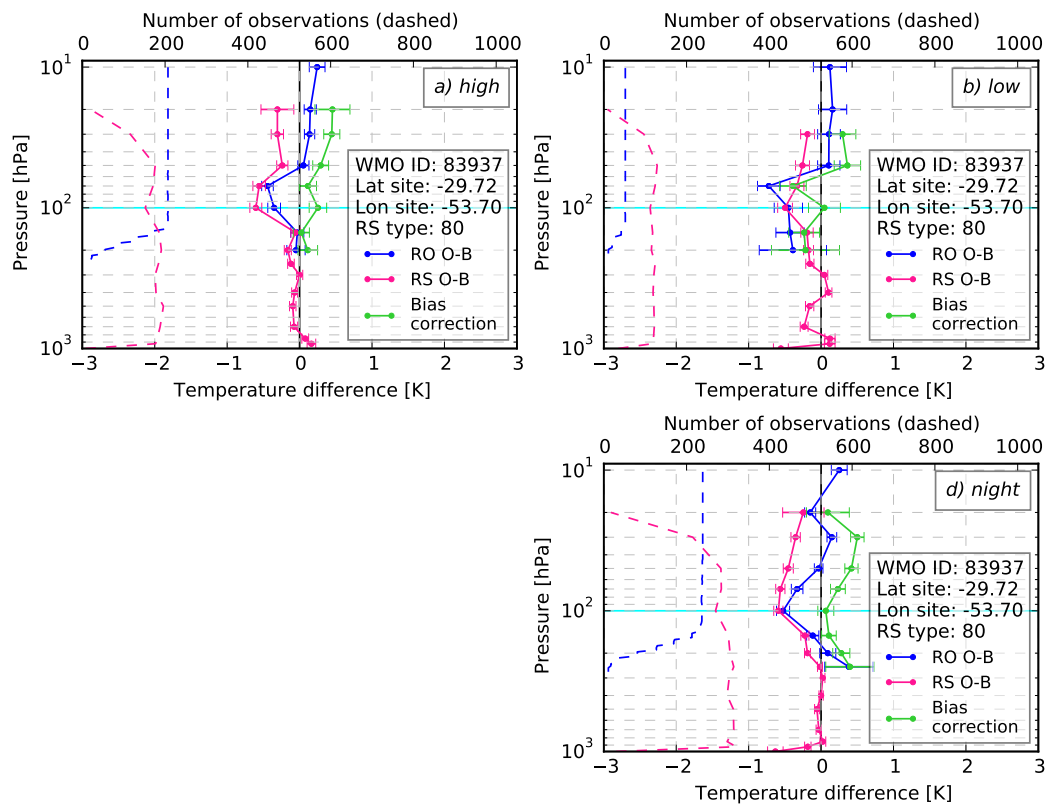
**Figure 1.652:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.653 WMO ID 83928



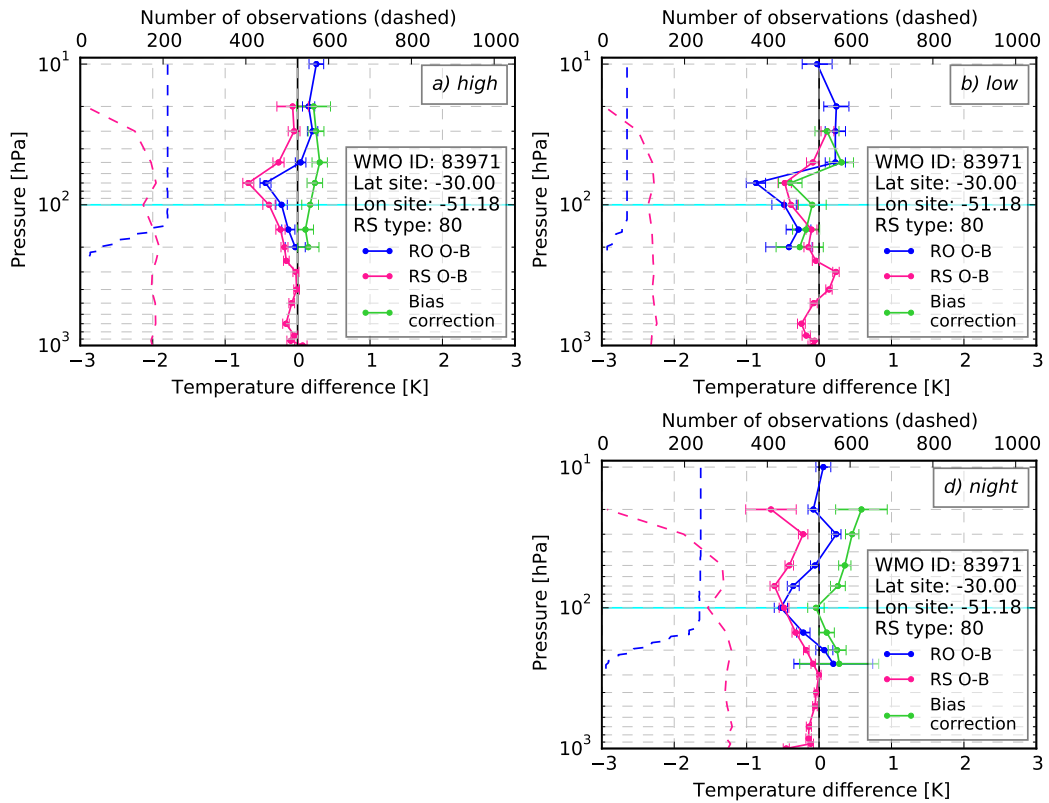
**Figure 1.653:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.654 WMO ID 83937



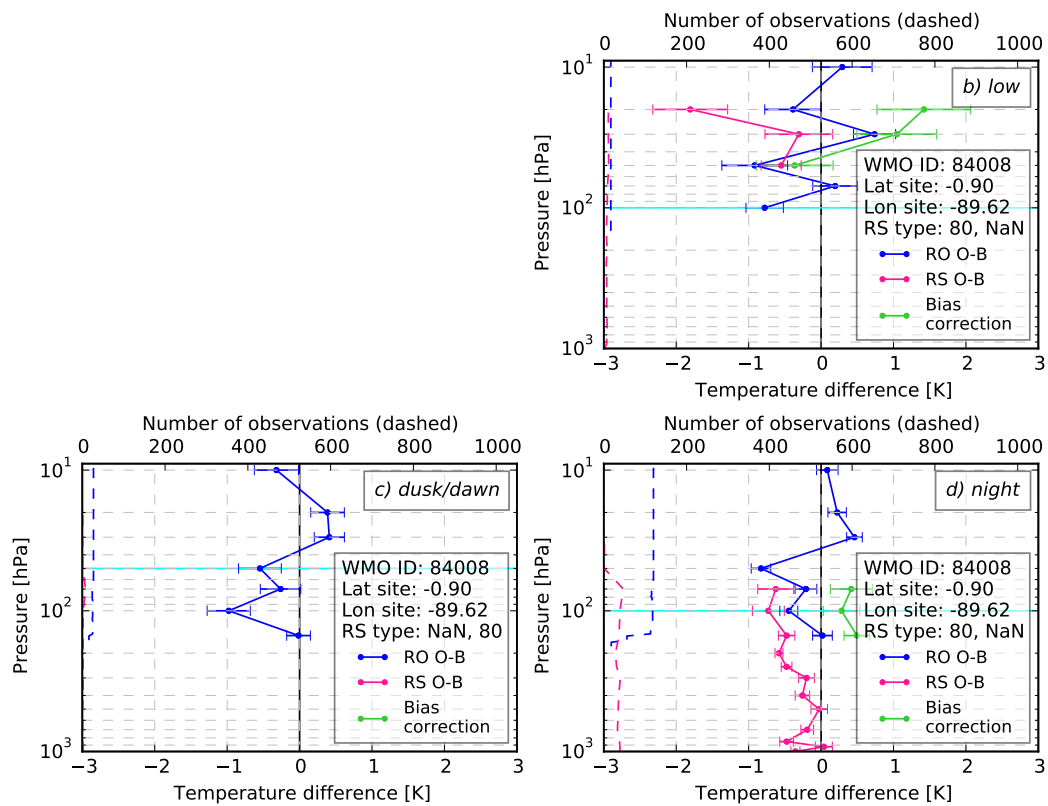
**Figure 1.654:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.655 WMO ID 83971



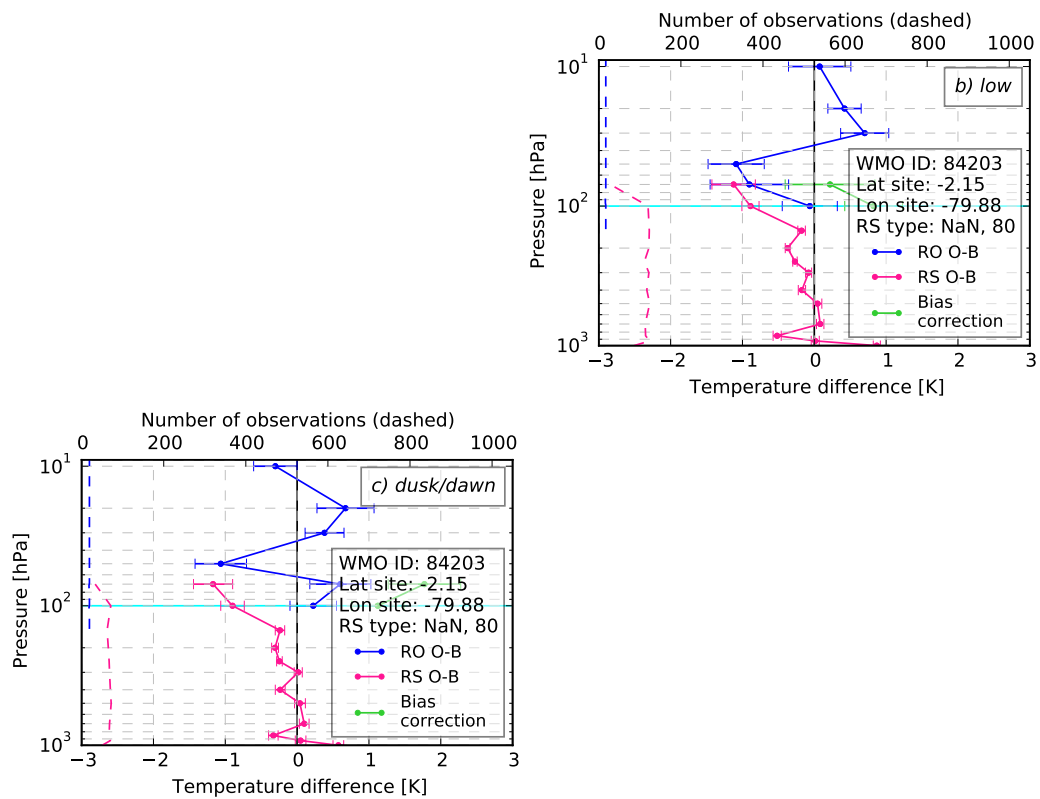
**Figure 1.655:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.656 WMO ID 84008



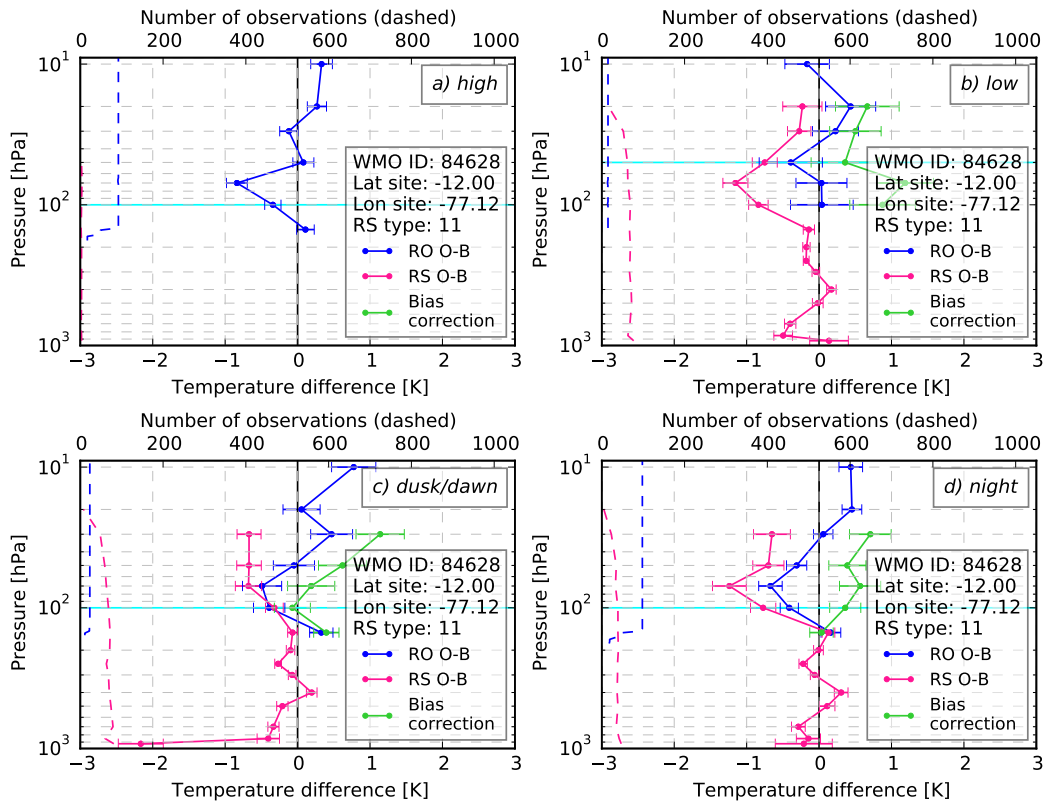
**Figure 1.656:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.657 WMO ID 84203



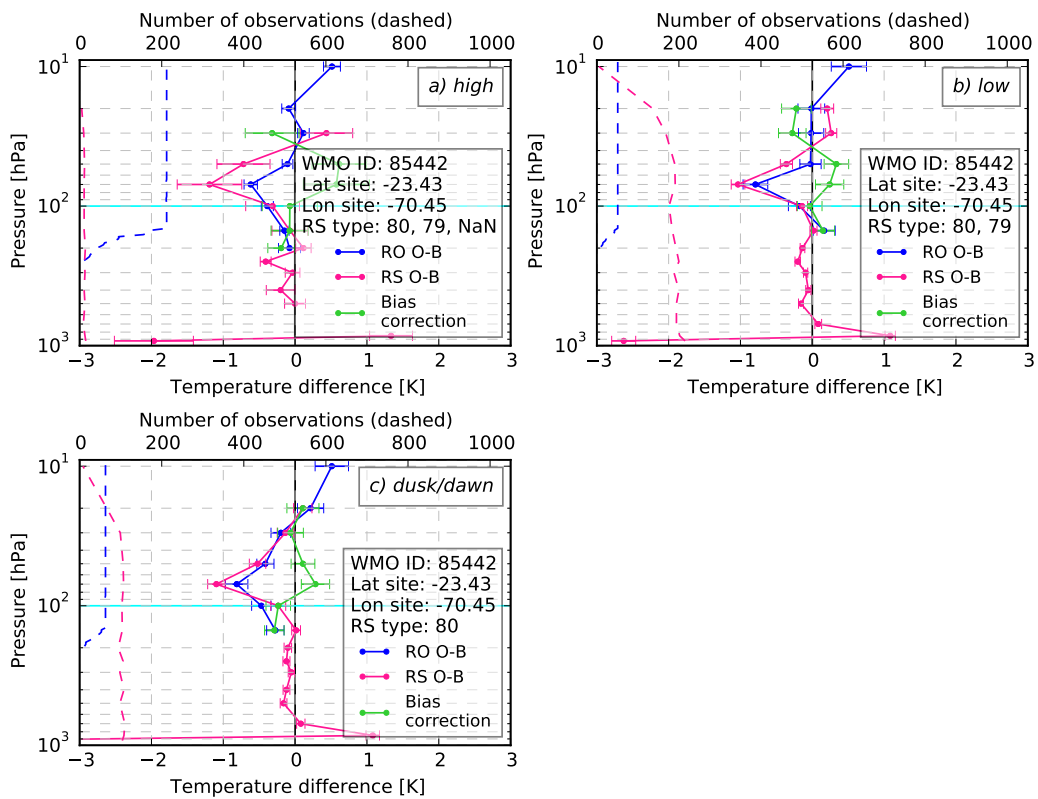
**Figure 1.657:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.658 WMO ID 84628



**Figure 1.658:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

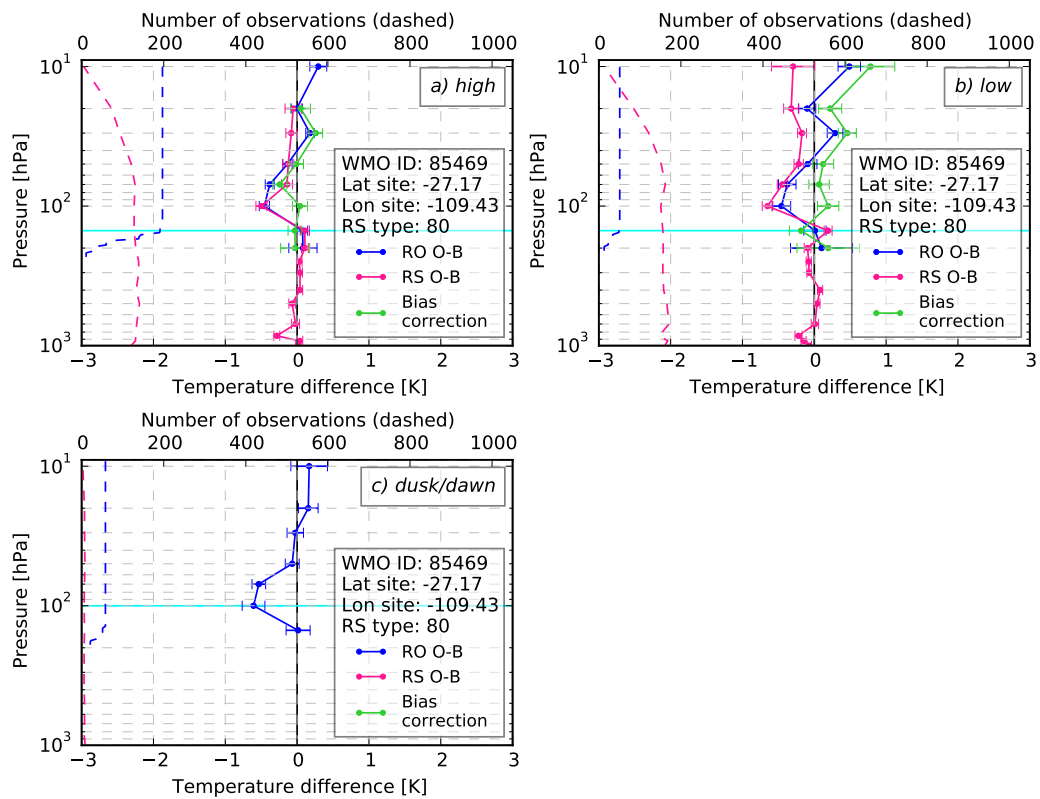
### 1.659 WMO ID 85442



**Figure 1.659:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

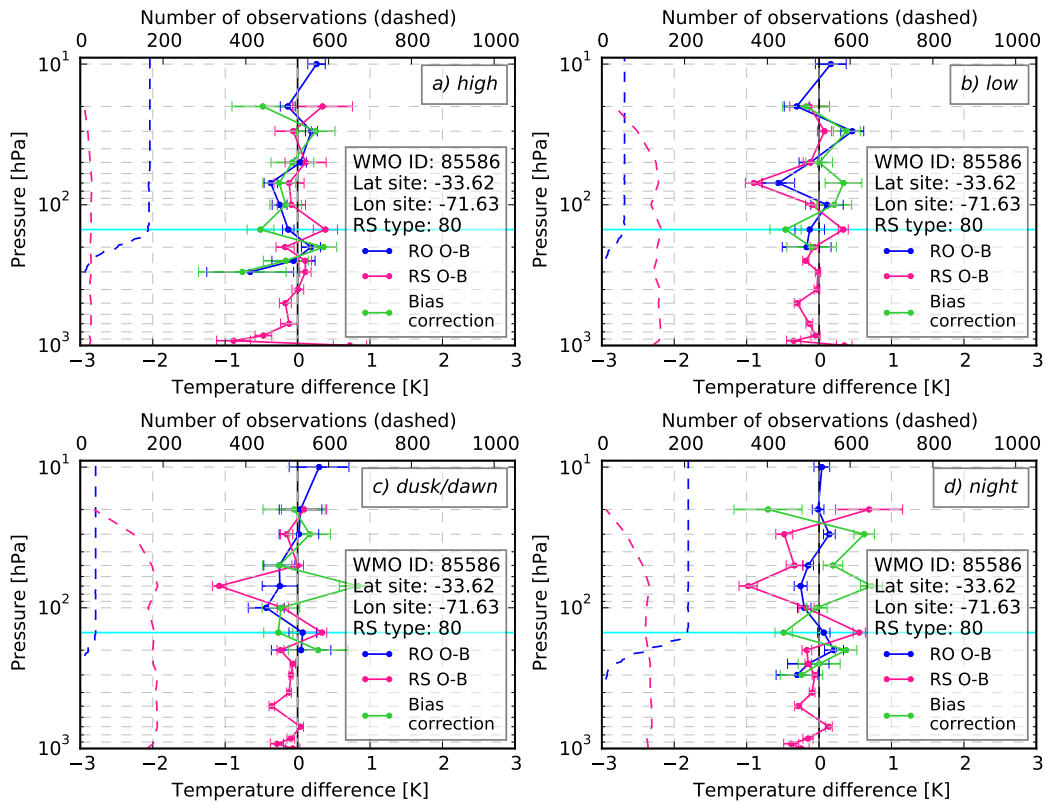


### 1.660 WMO ID 85469



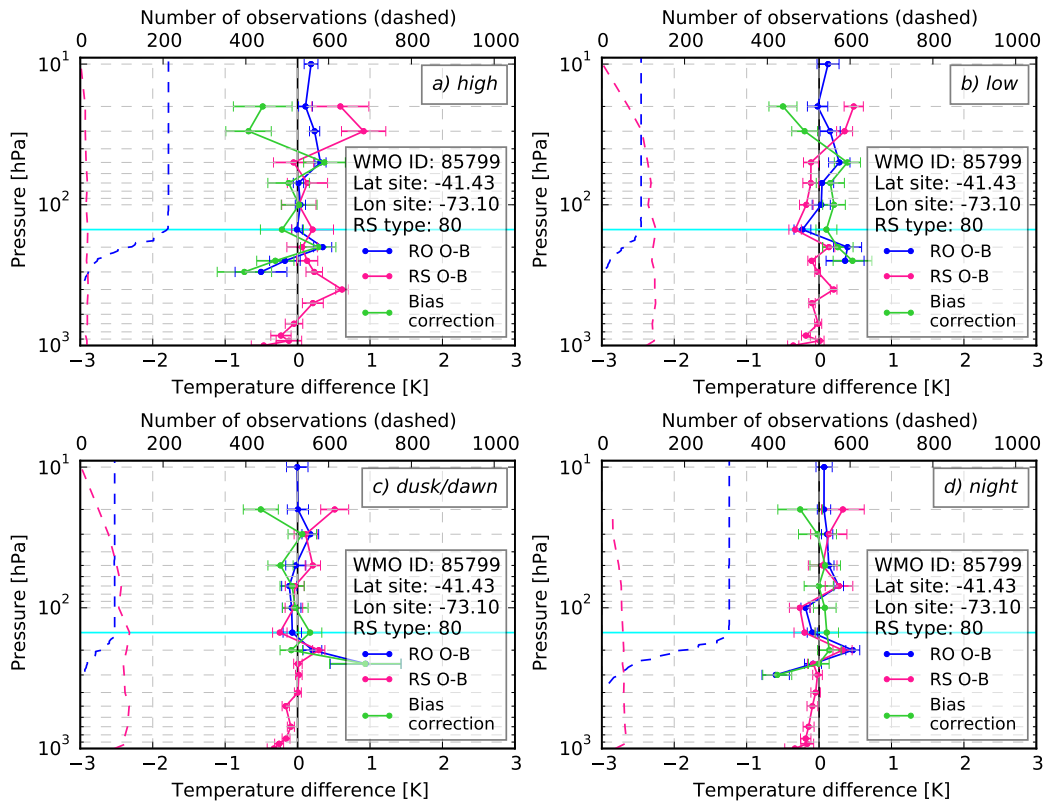
**Figure 1.660:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.661 WMO ID 85586



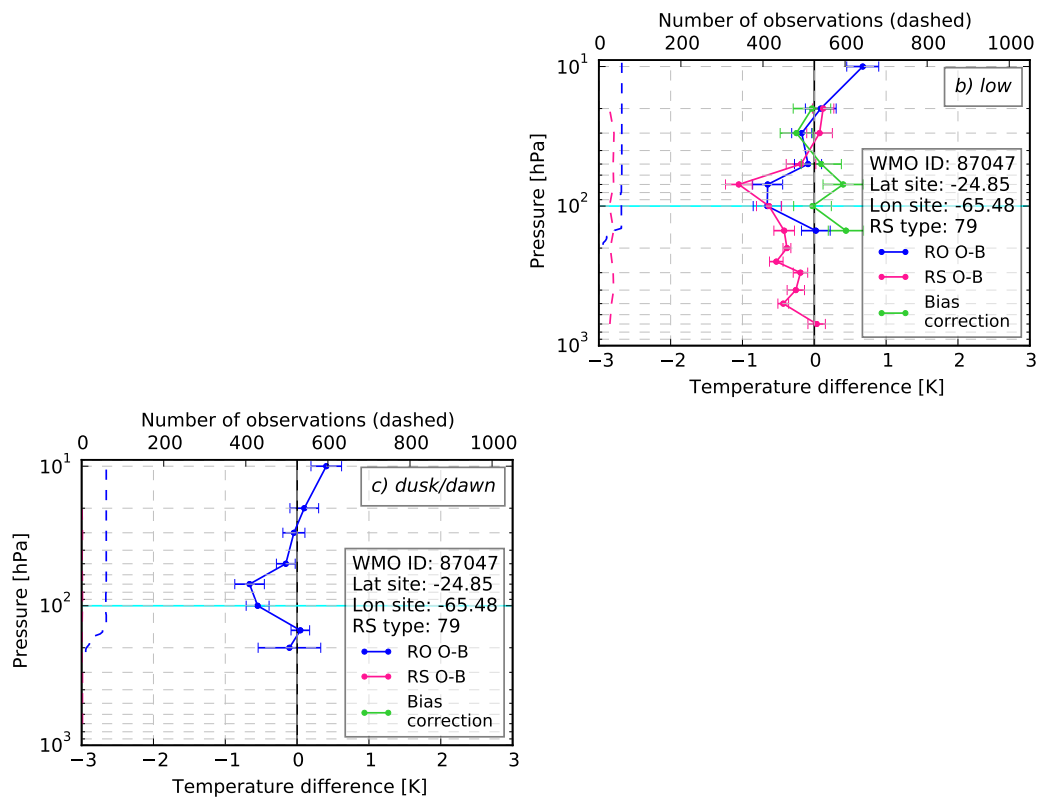
**Figure 1.661:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.662 WMO ID 85799



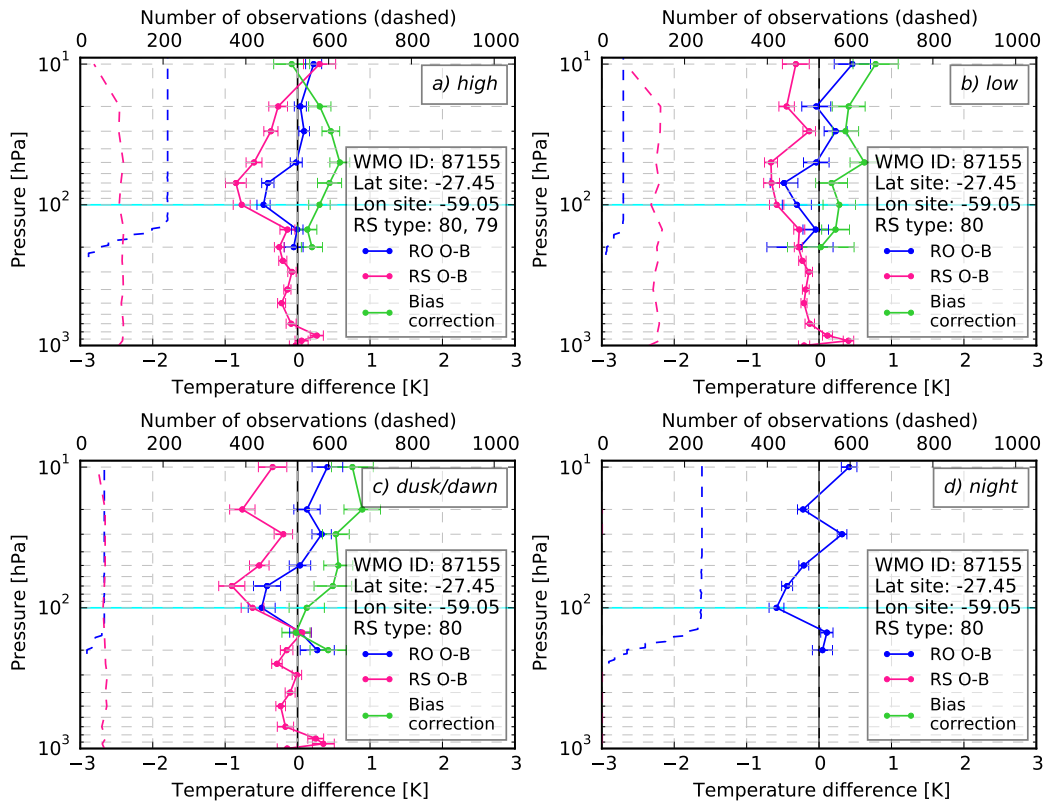
**Figure 1.662:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.663 WMO ID 87047



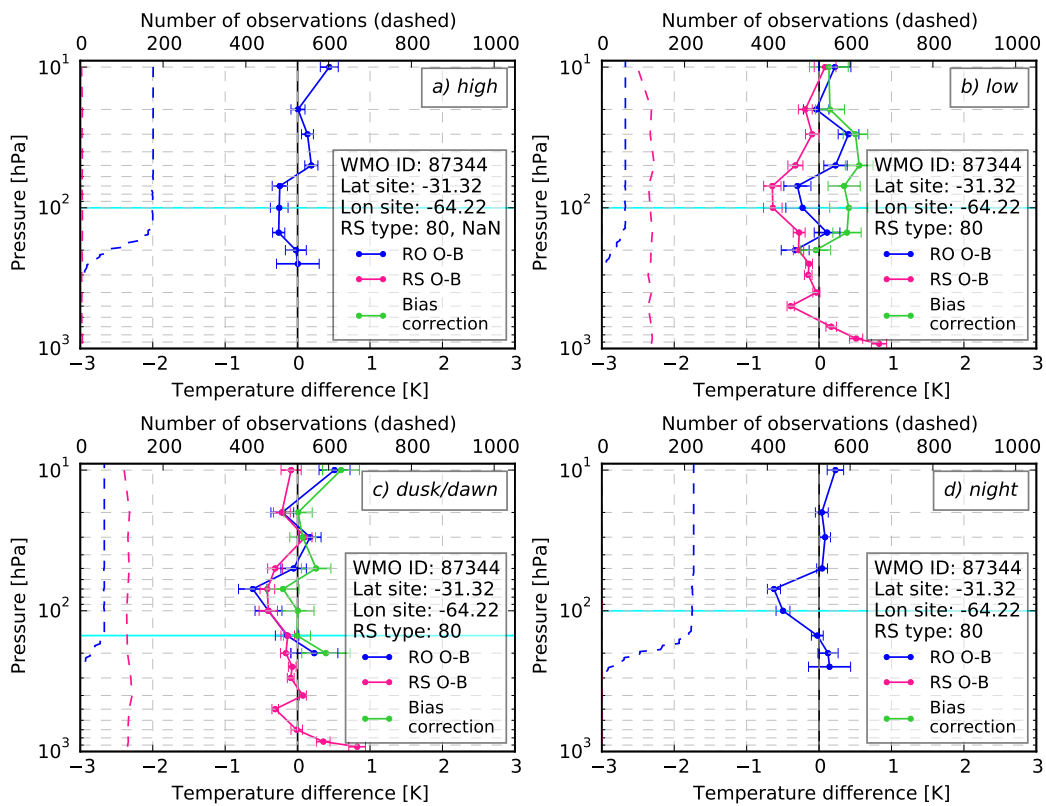
**Figure 1.663:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.664 WMO ID 87155



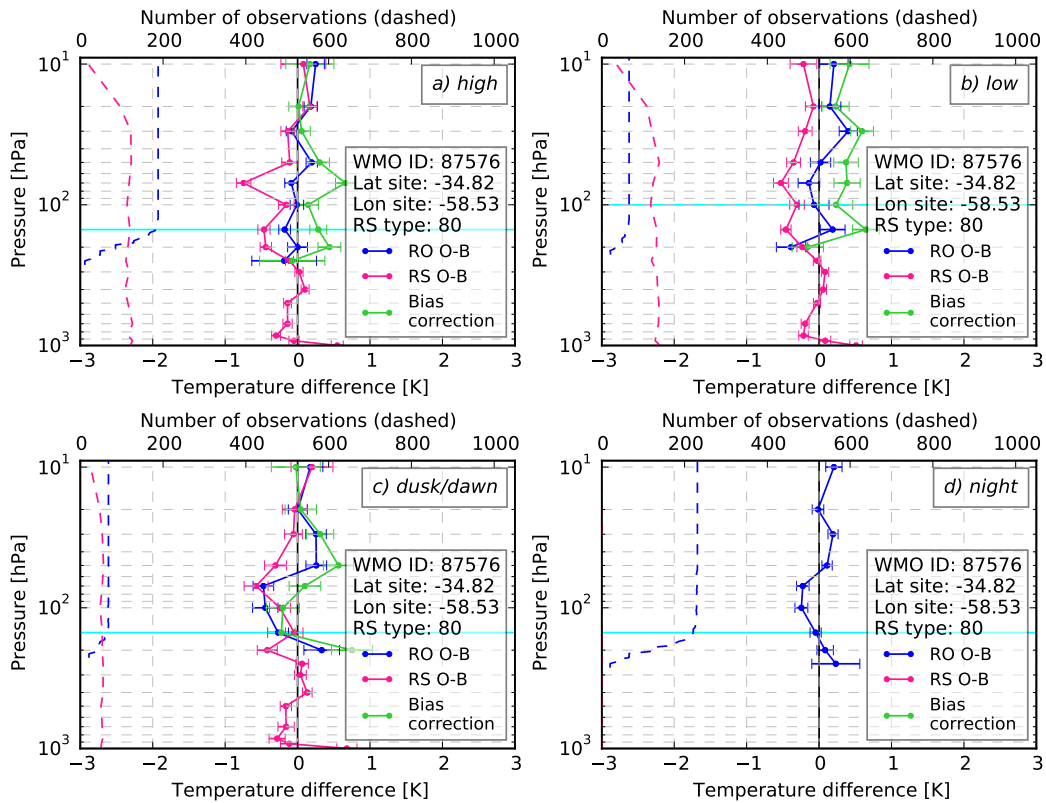
**Figure 1.664:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.665 WMO ID 87344



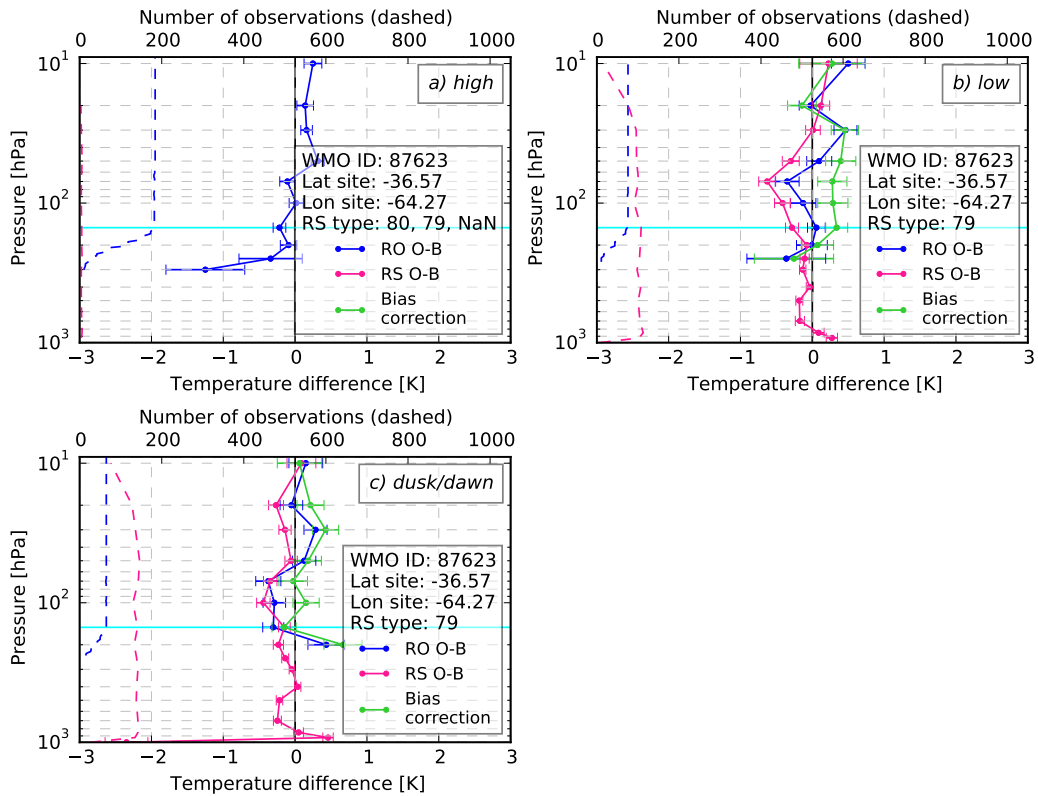
**Figure 1.665:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.666 WMO ID 87576



**Figure 1.666:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

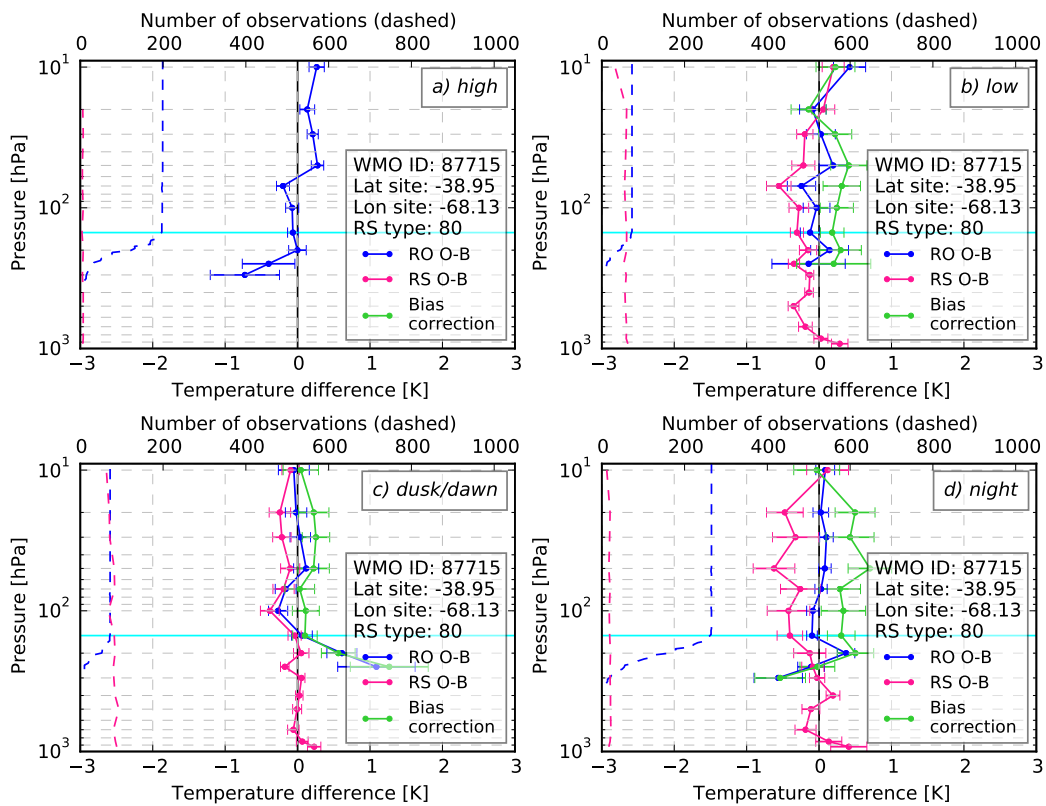
### 1.667 WMO ID 87623



**Figure 1.667:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

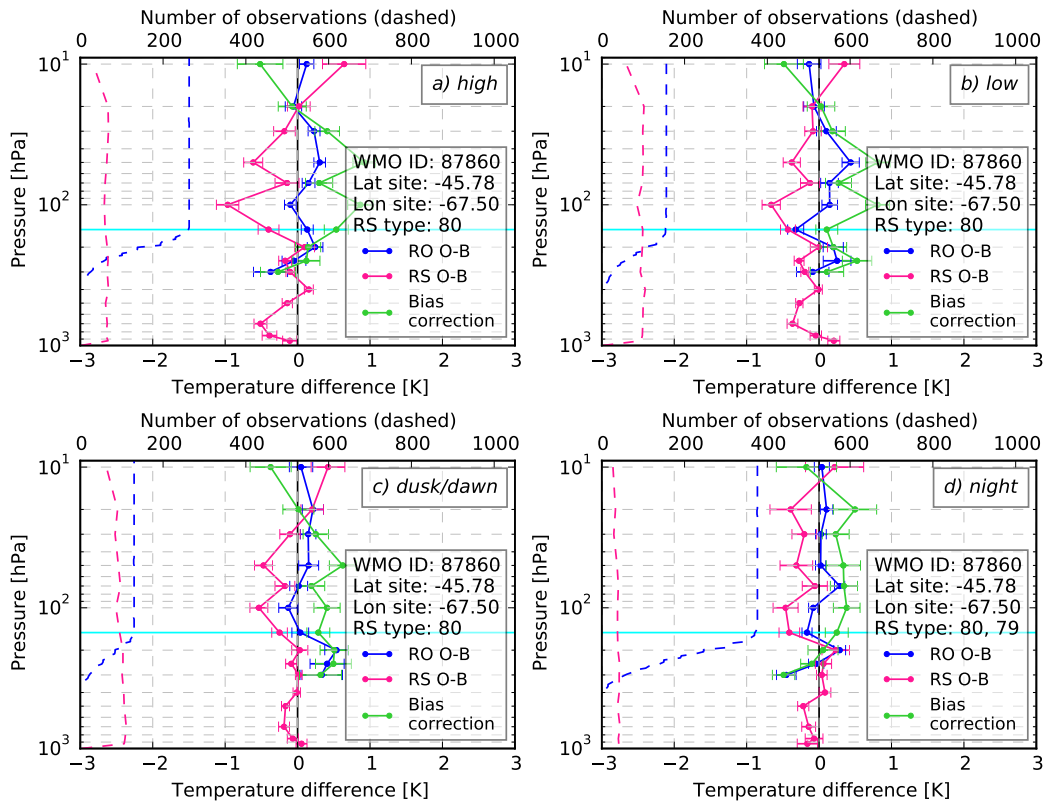


### 1.668 WMO ID 87715



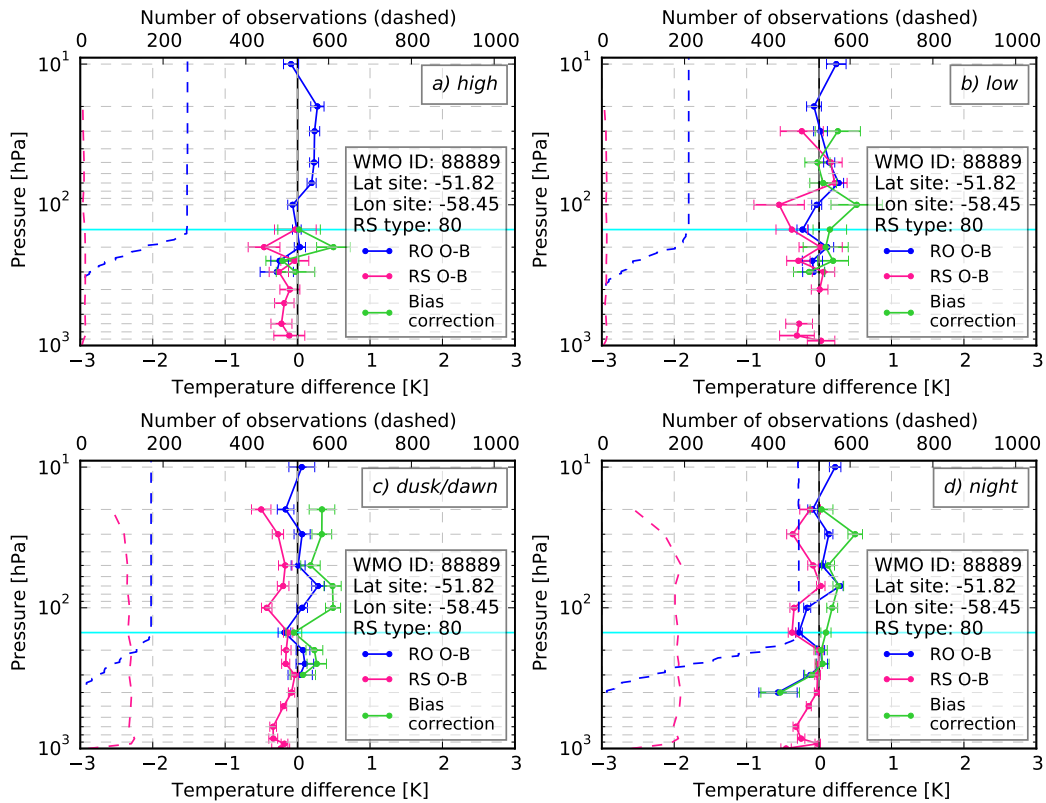
**Figure 1.668:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.669 WMO ID 87860



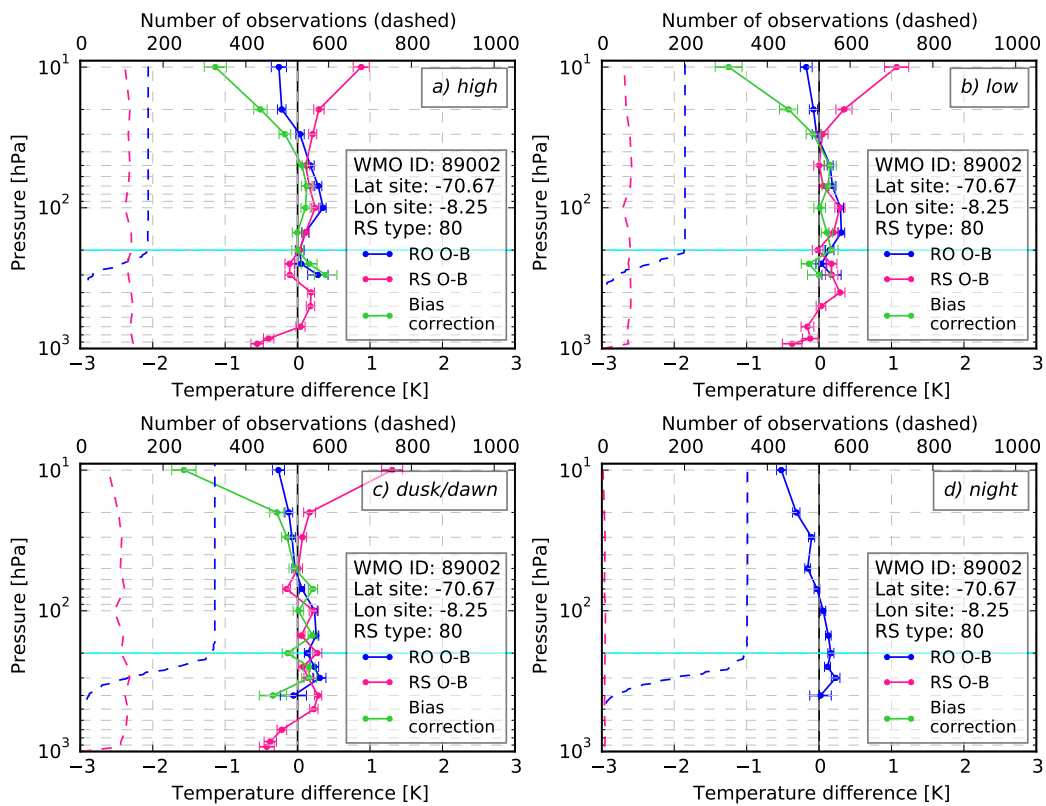
**Figure 1.669:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.670 WMO ID 88889



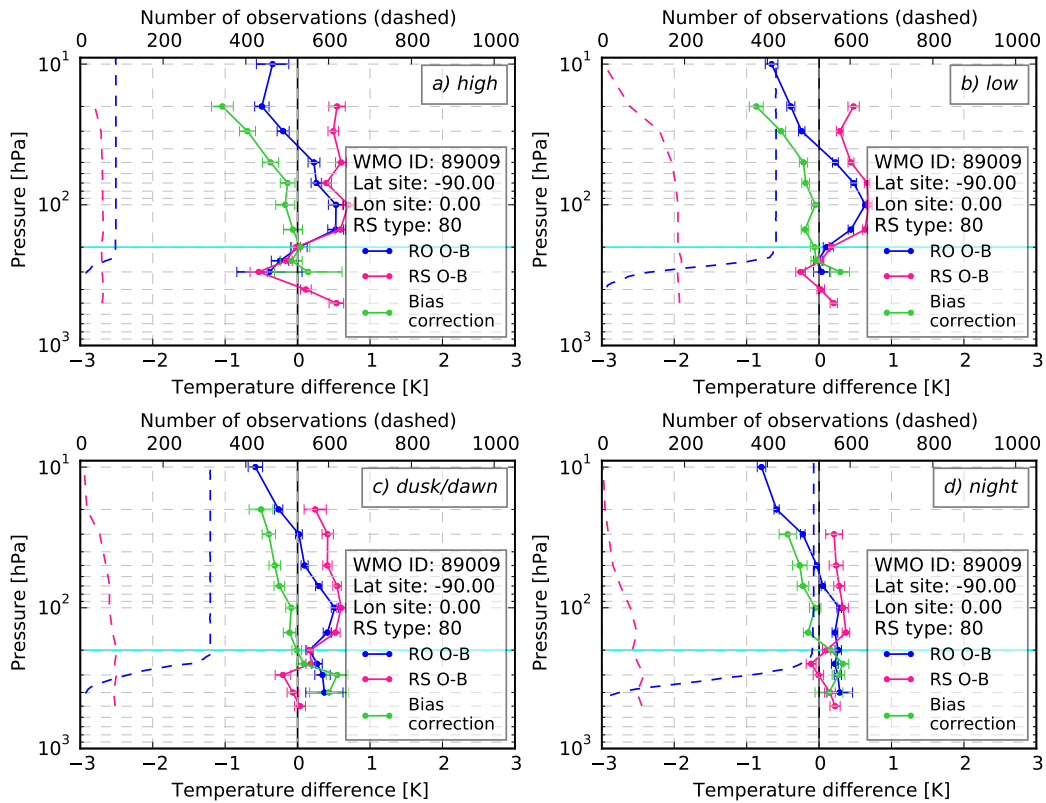
**Figure 1.670:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.671 WMO ID 89002



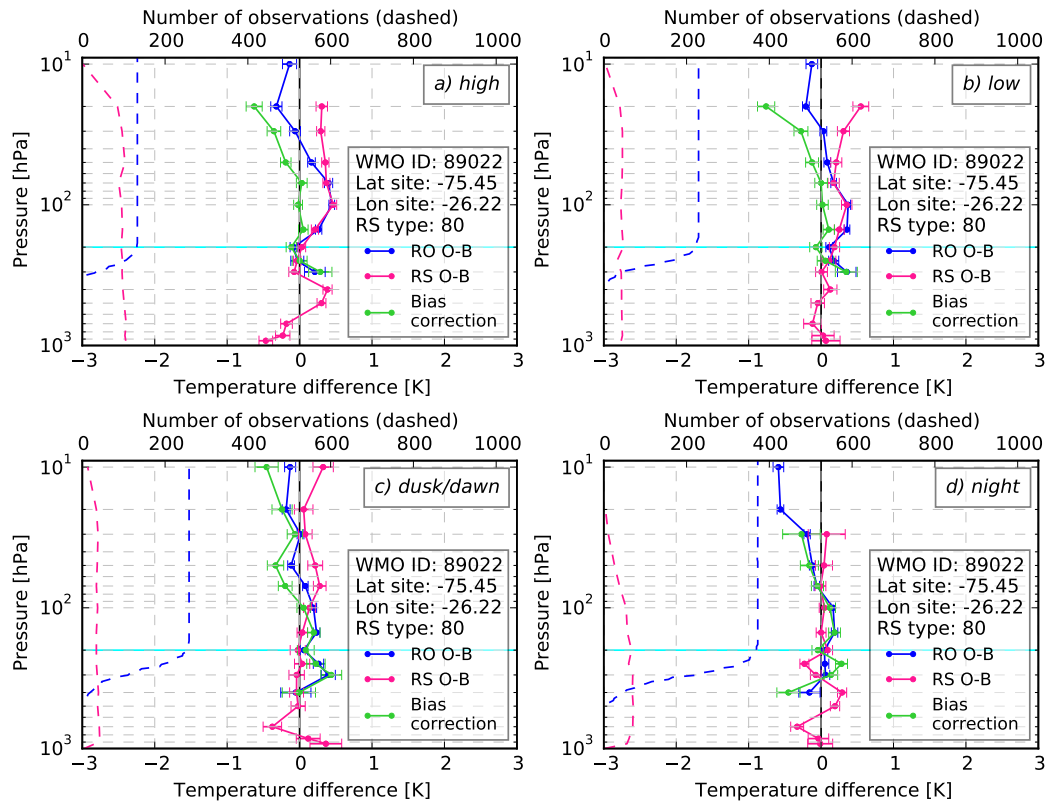
**Figure 1.671:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.672 WMO ID 89009



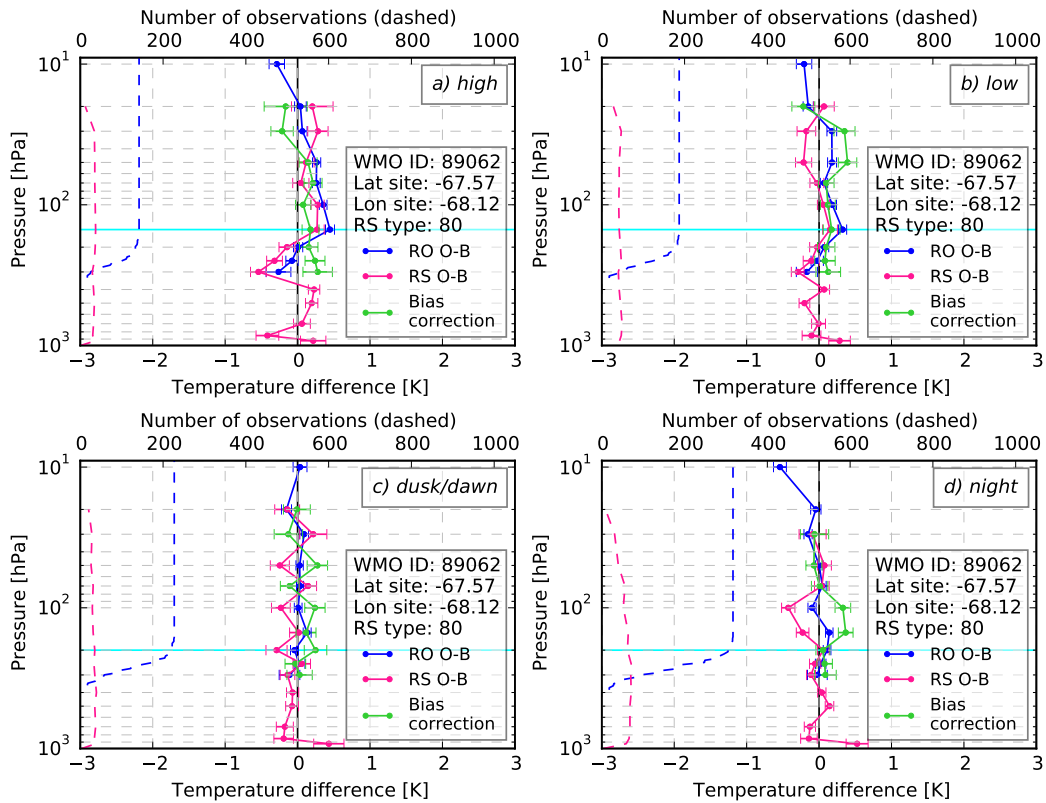
**Figure 1.672:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.673 WMO ID 89022



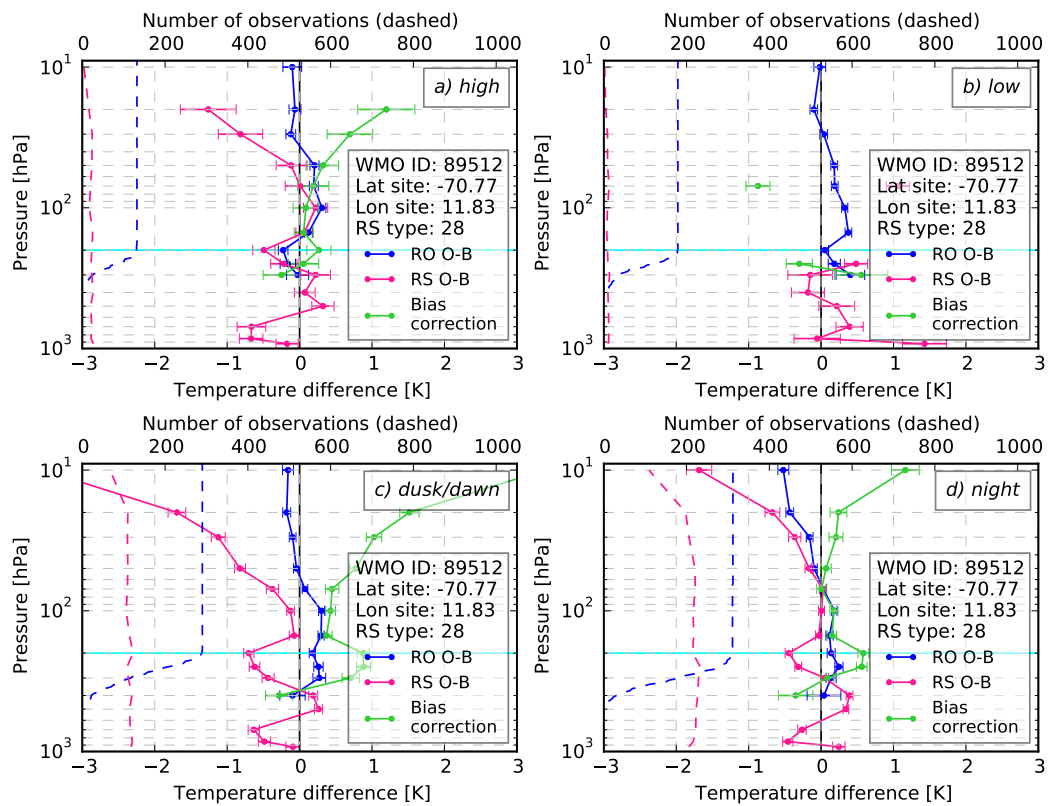
**Figure 1.673:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.674 WMO ID 89062



**Figure 1.674:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

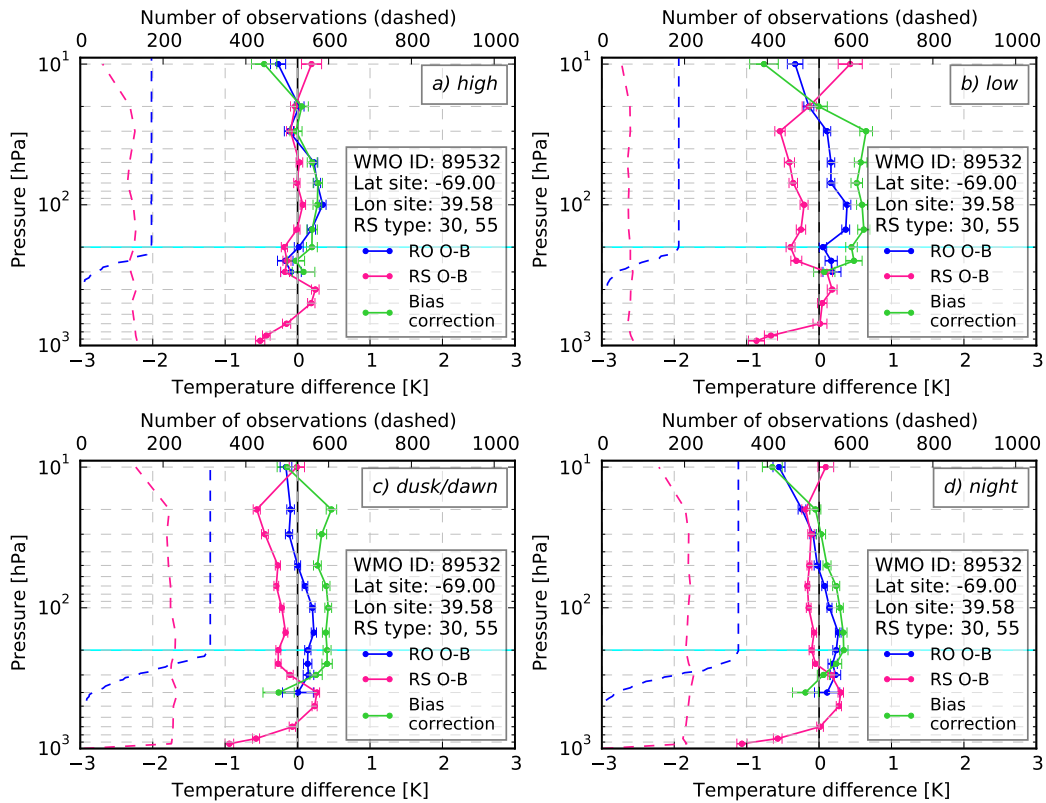
### 1.675 WMO ID 89512



**Figure 1.675:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

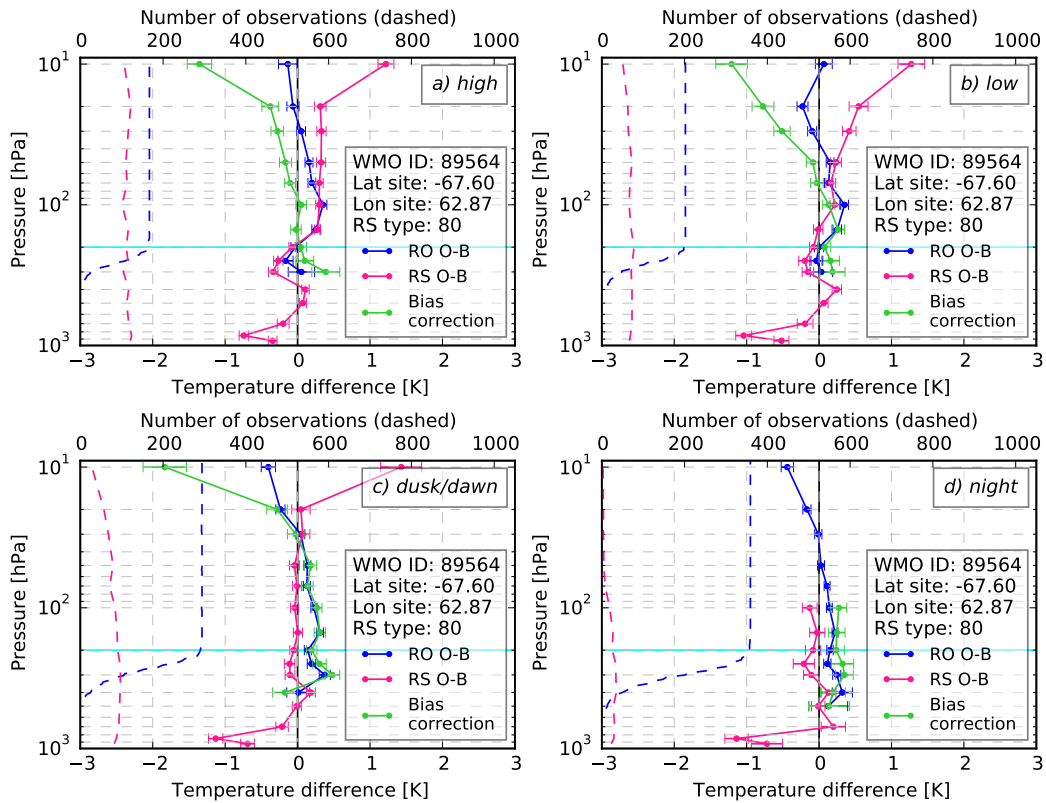


### 1.676 WMO ID 89532



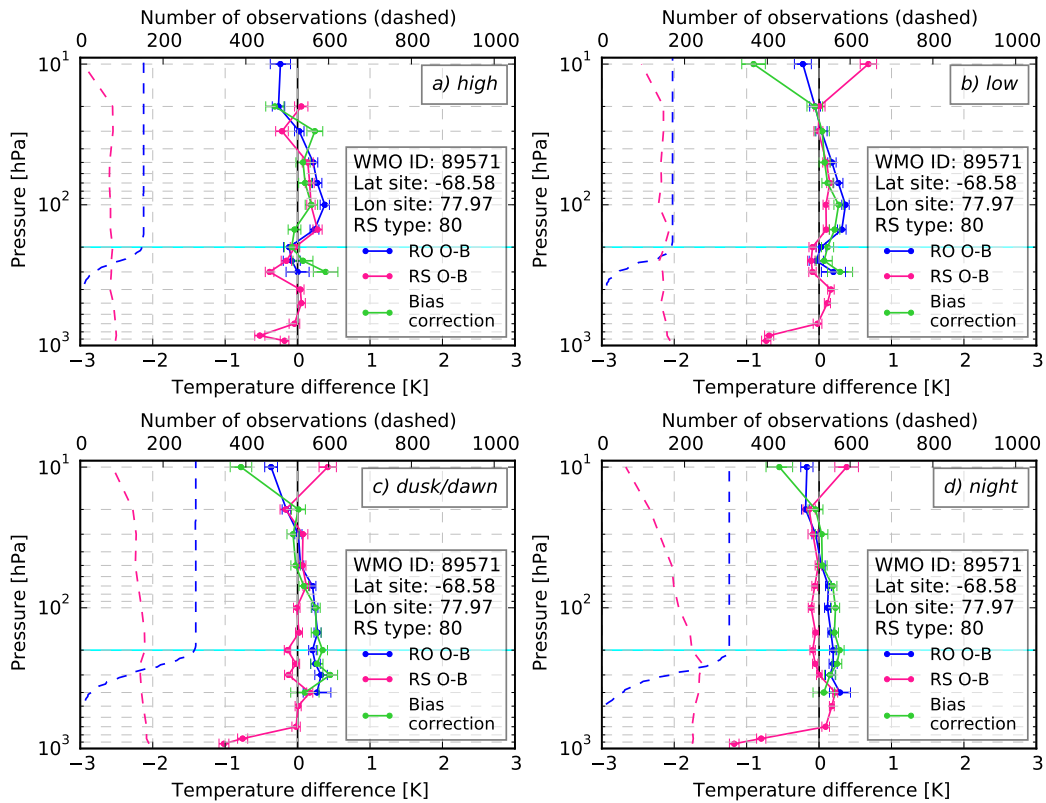
**Figure 1.676:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.677 WMO ID 89564



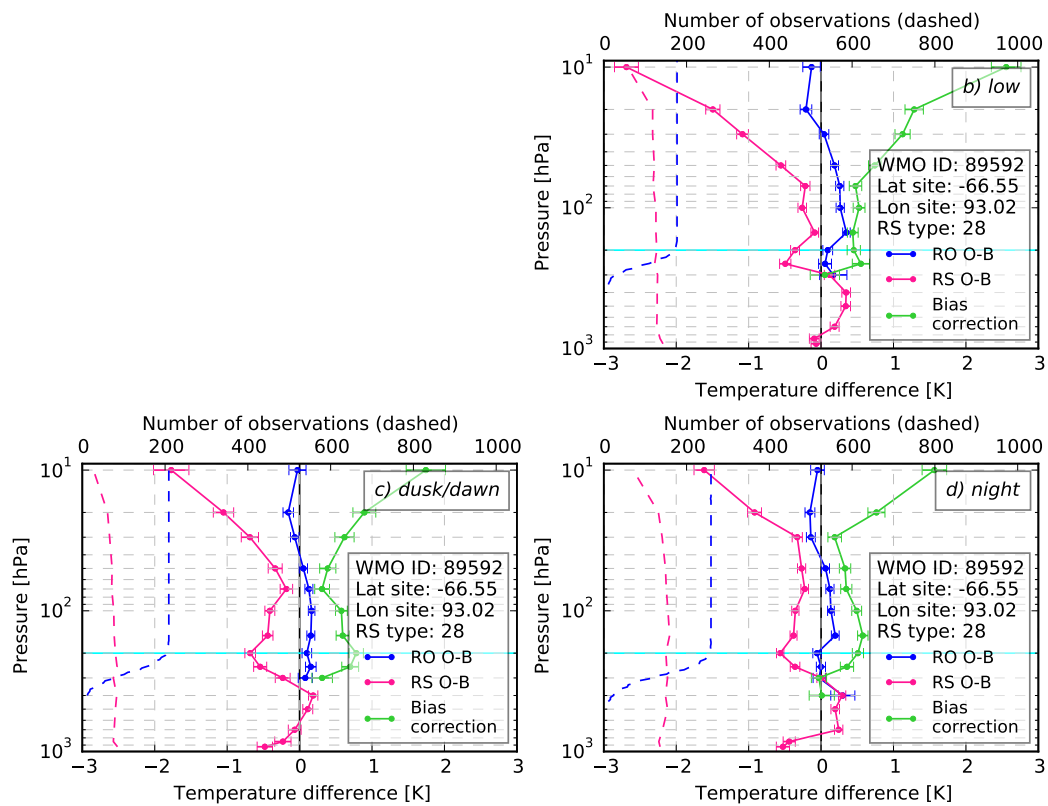
**Figure 1.677:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.678 WMO ID 89571



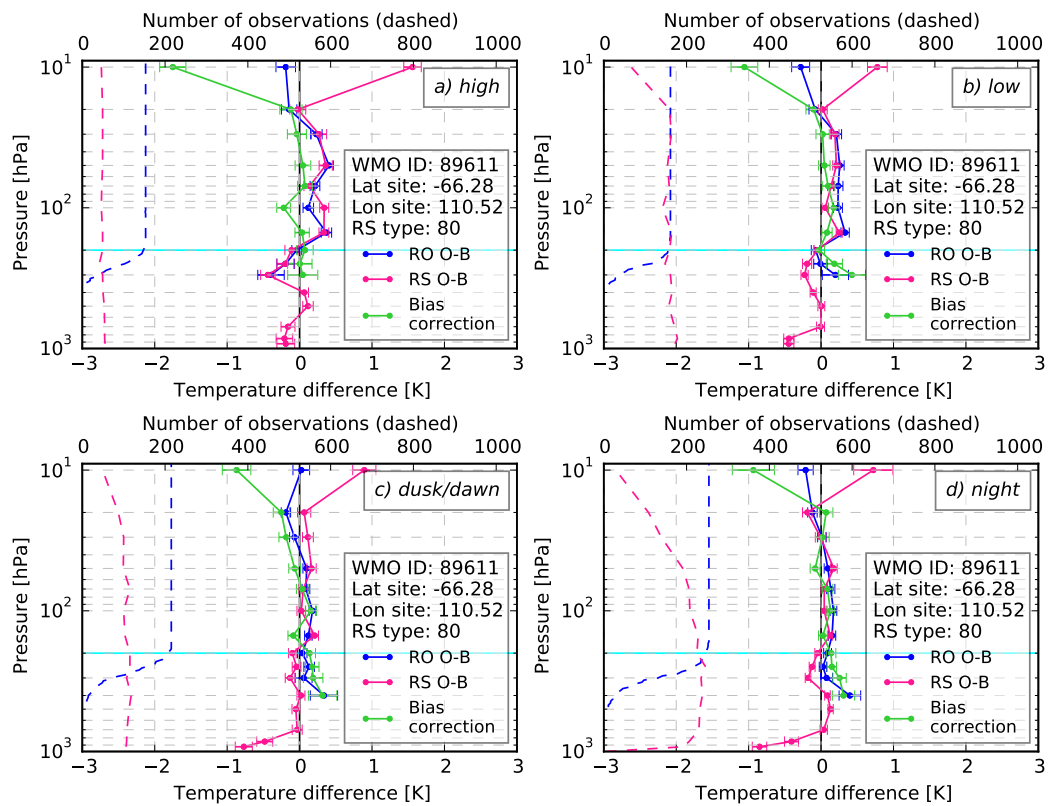
**Figure 1.678:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.679 WMO ID 89592



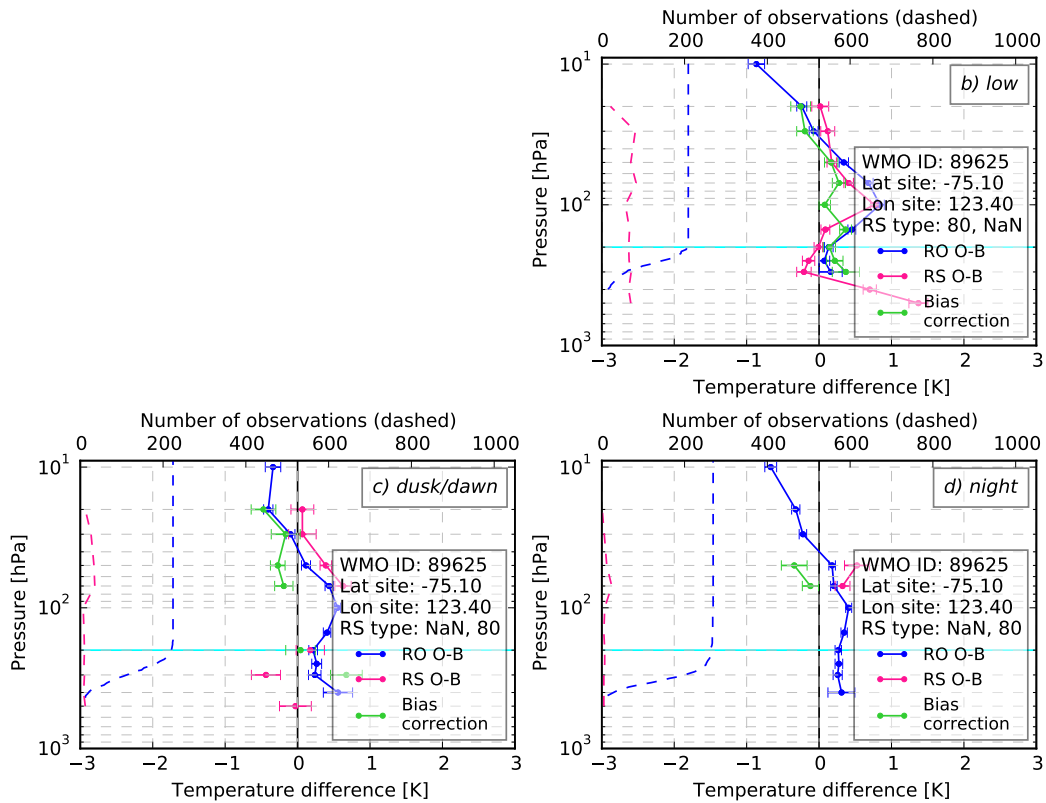
**Figure 1.679:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.680 WMO ID 89611



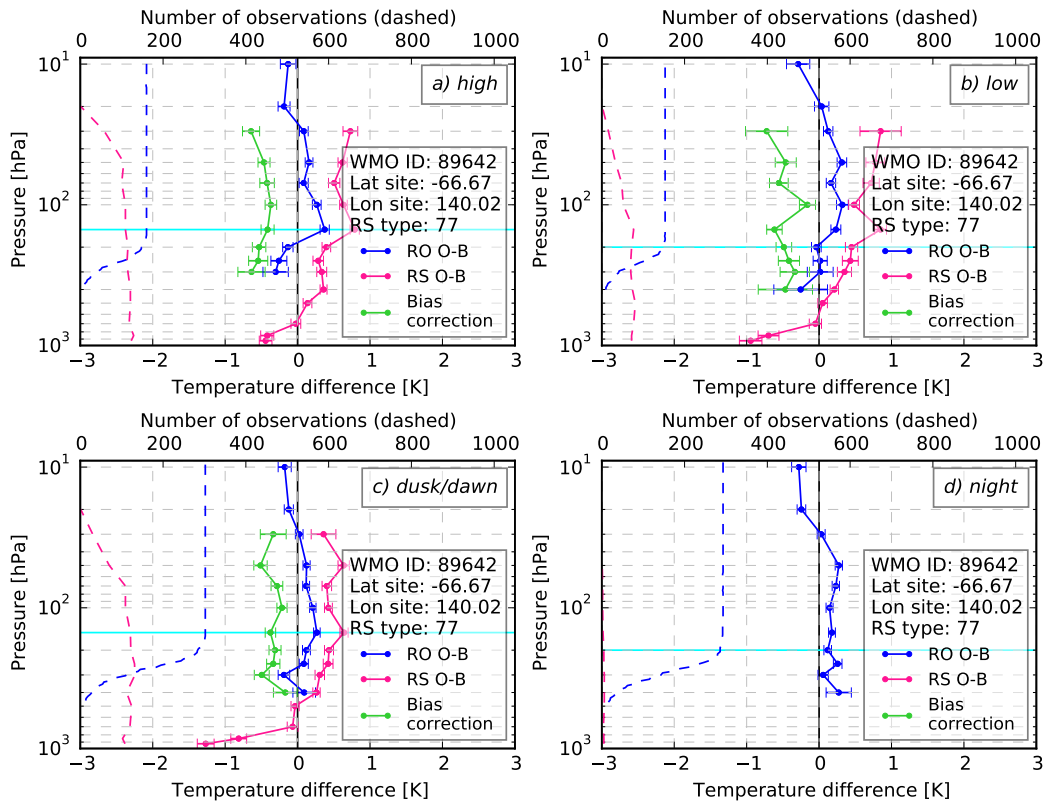
**Figure 1.680:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.681 WMO ID 89625



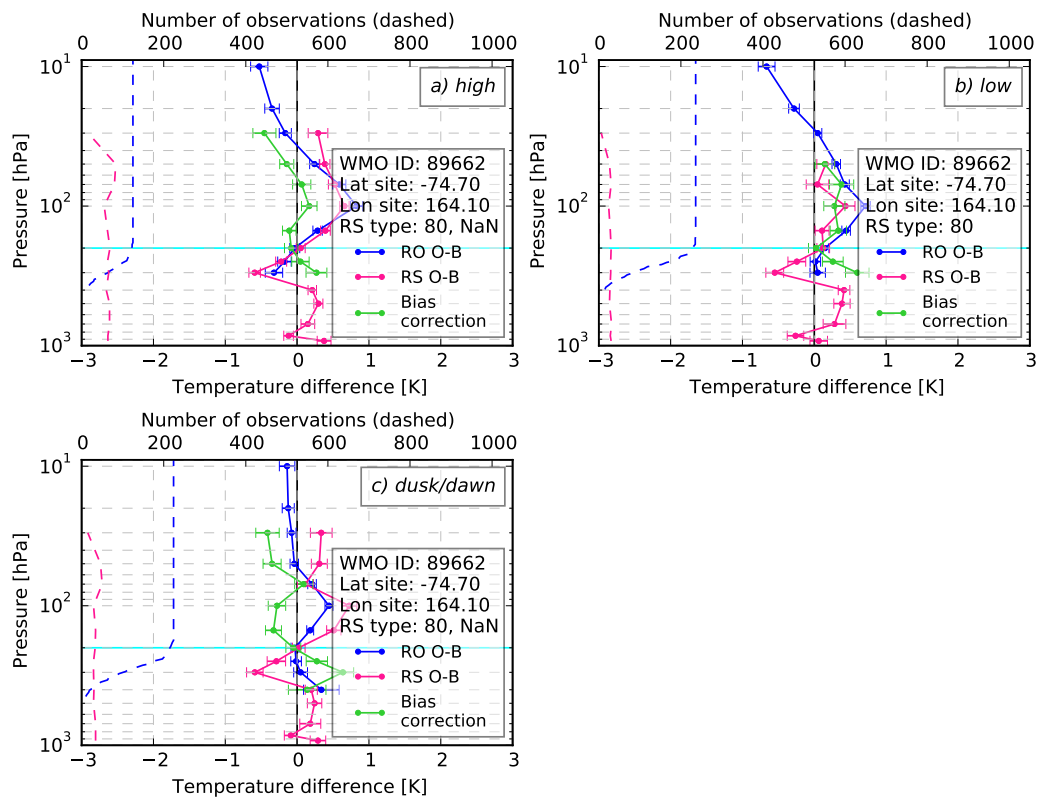
**Figure 1.681:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.682 WMO ID 89642



**Figure 1.682:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

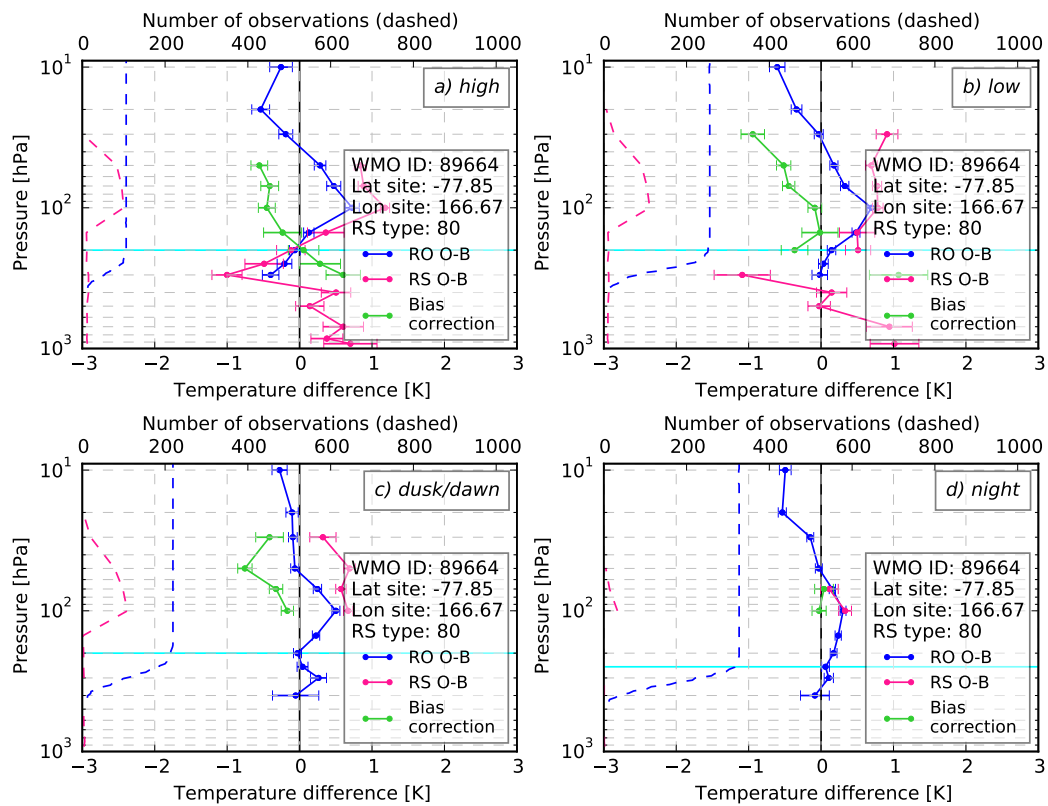
### 1.683 WMO ID 89662



**Figure 1.683:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

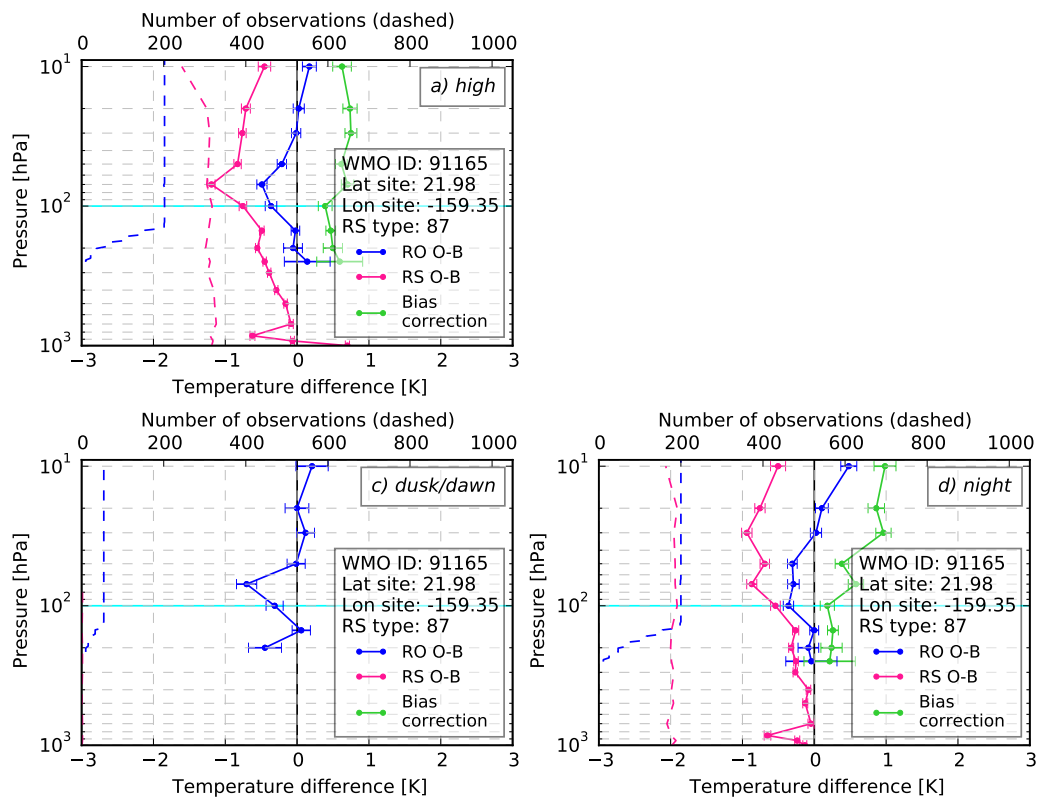


### 1.684 WMO ID 89664



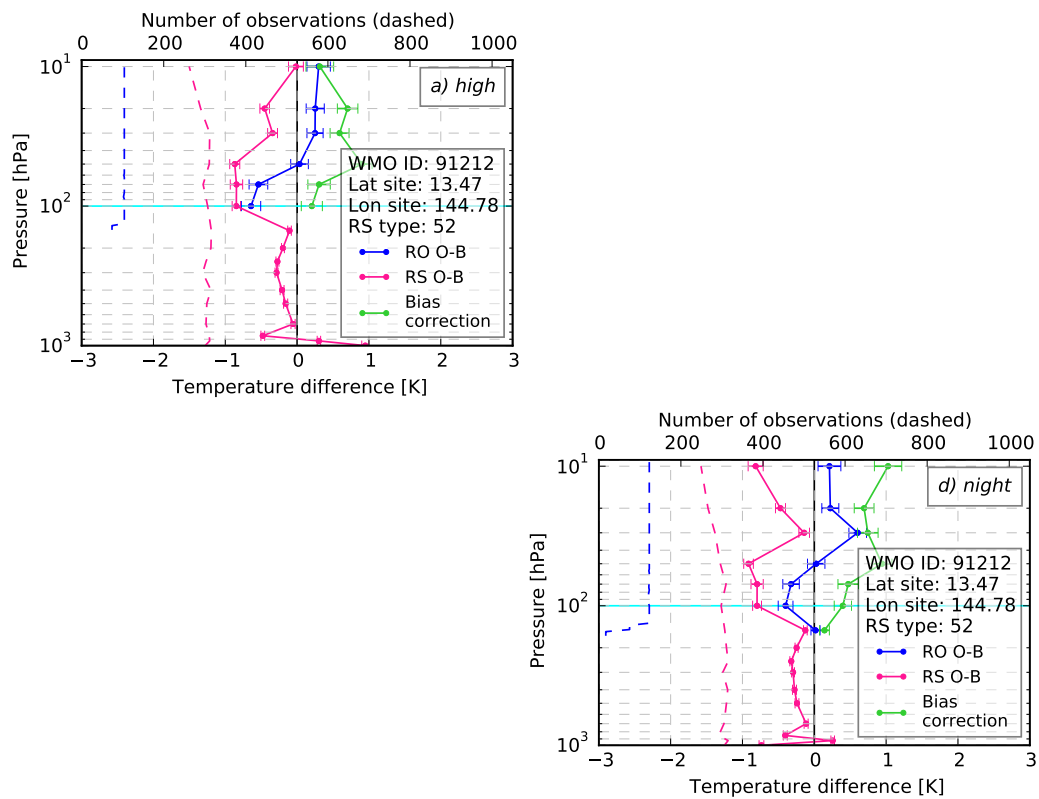
**Figure 1.684:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.685 WMO ID 91165



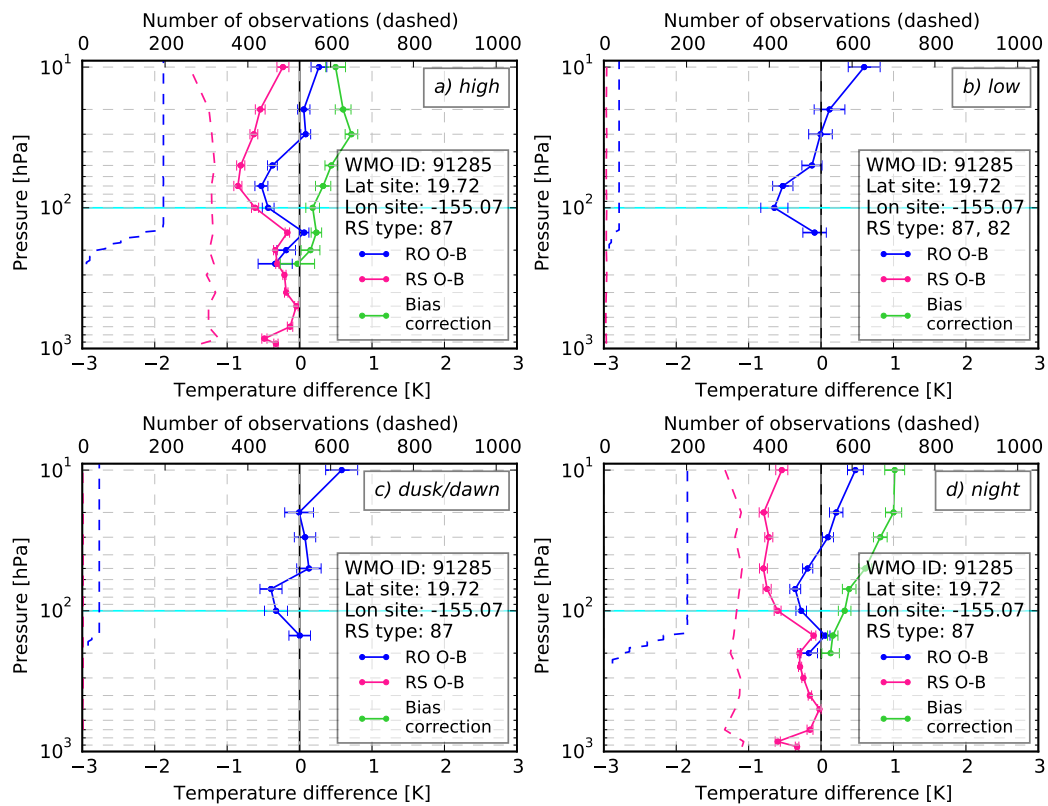
**Figure 1.685:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.686 WMO ID 91212



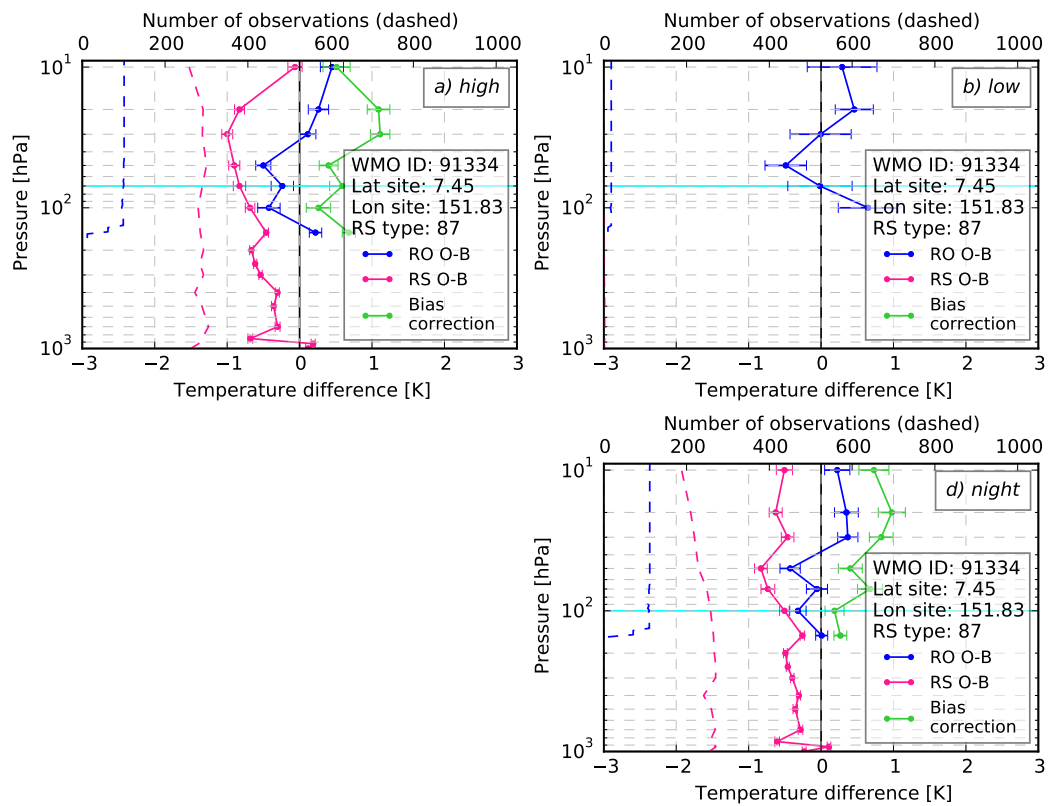
**Figure 1.686:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.687 WMO ID 91285



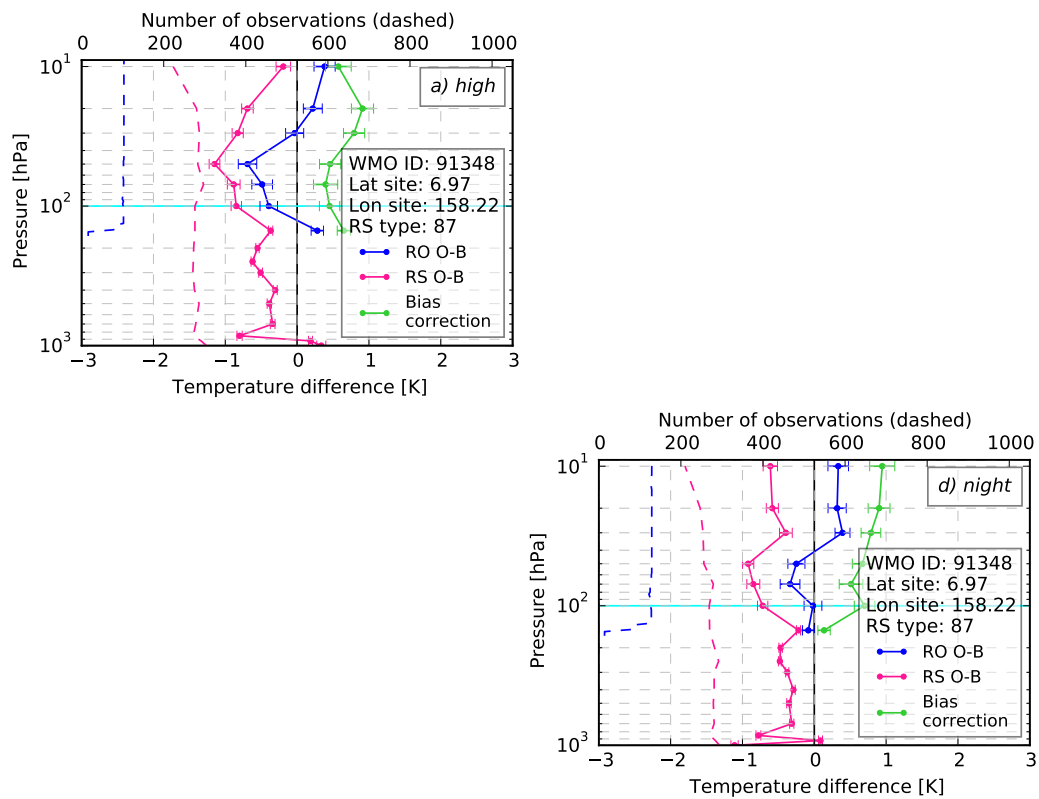
**Figure 1.687:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.688 WMO ID 91334



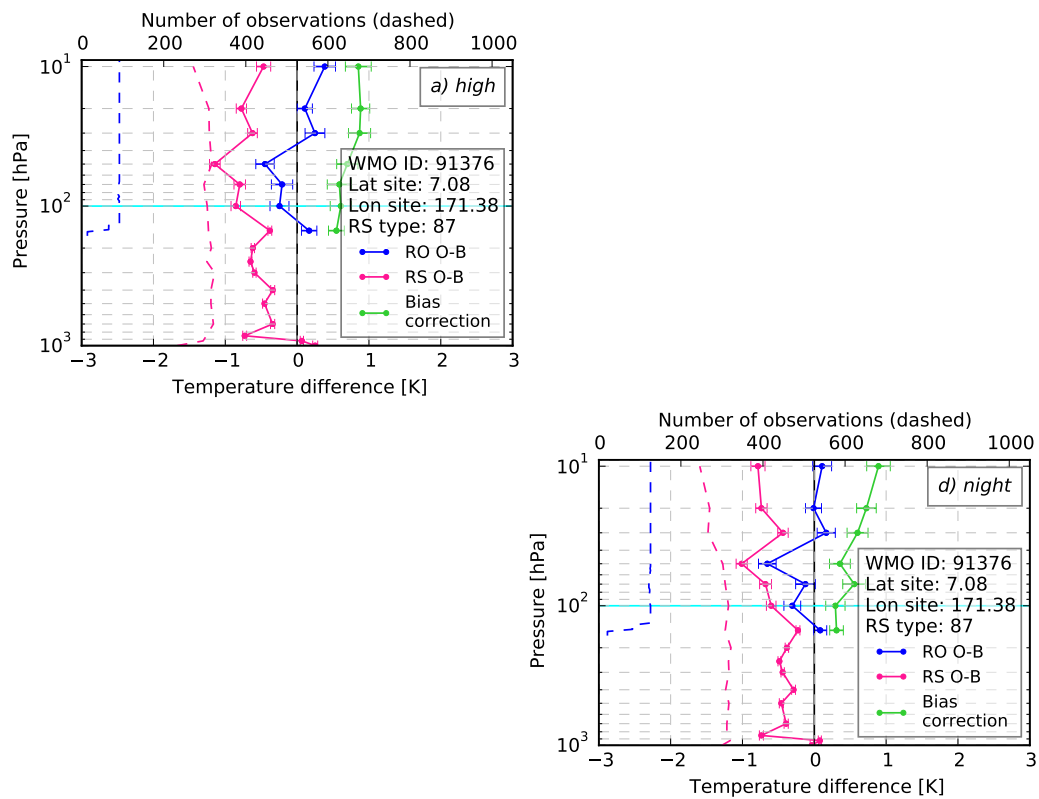
**Figure 1.688:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.689 WMO ID 91348



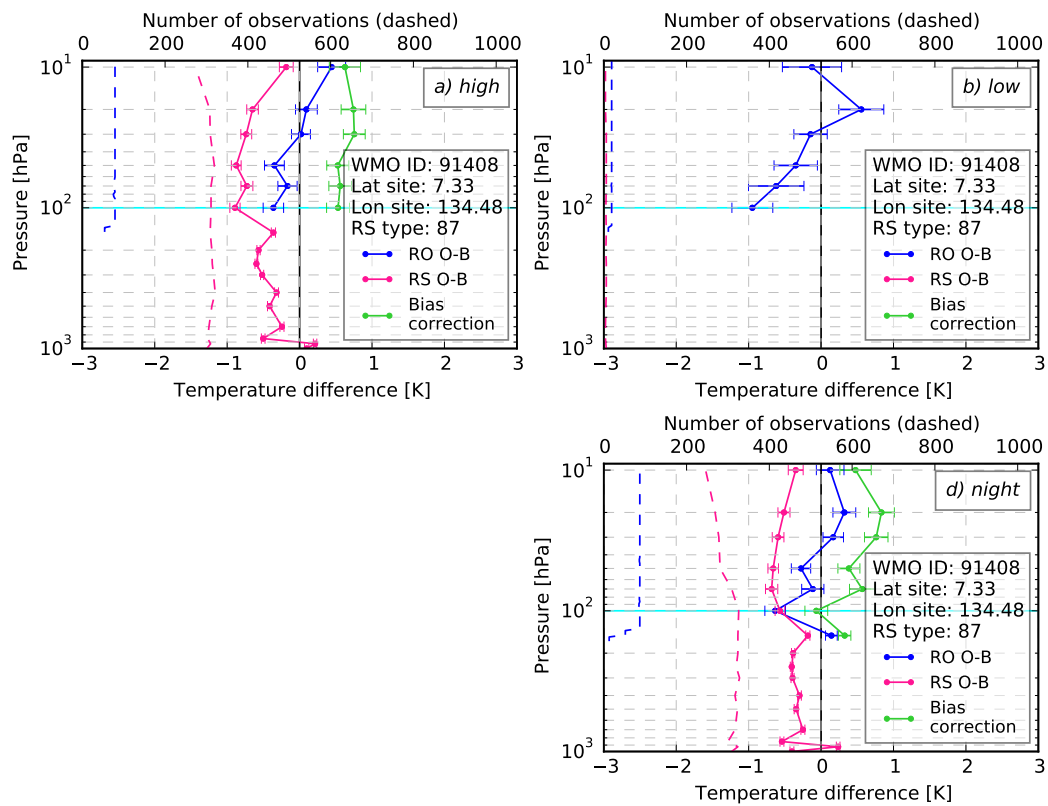
**Figure 1.689:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.690 WMO ID 91376



**Figure 1.690:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

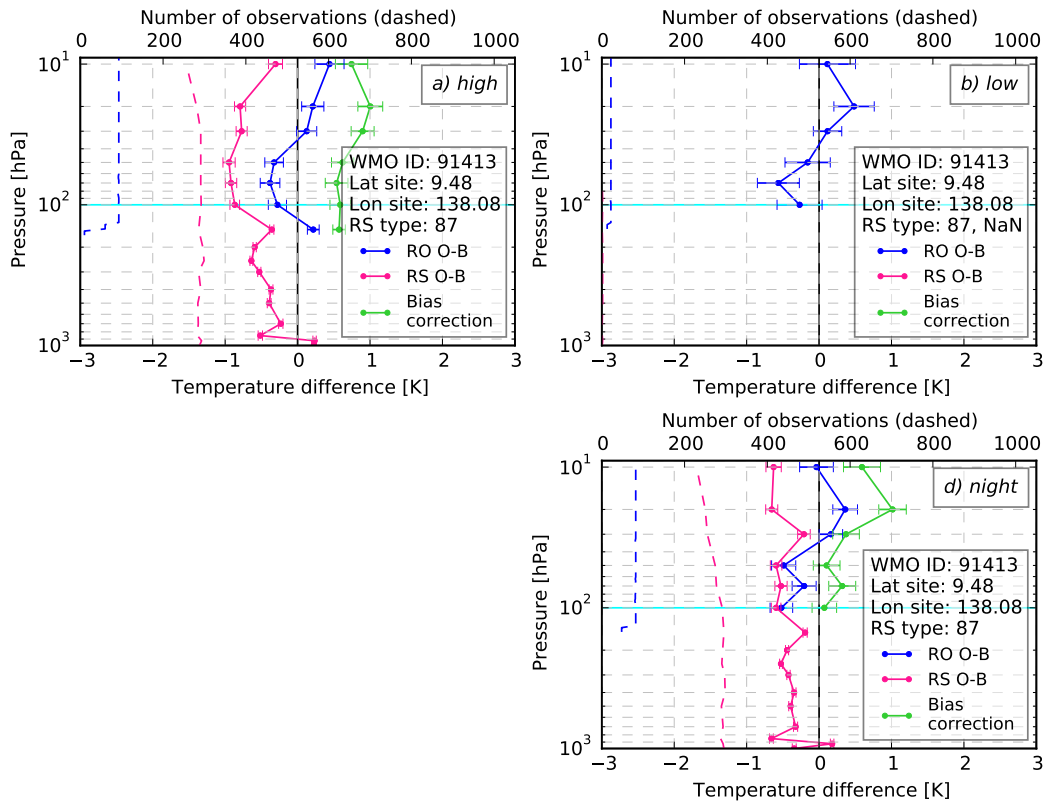
### 1.691 WMO ID 91408



**Figure 1.691:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

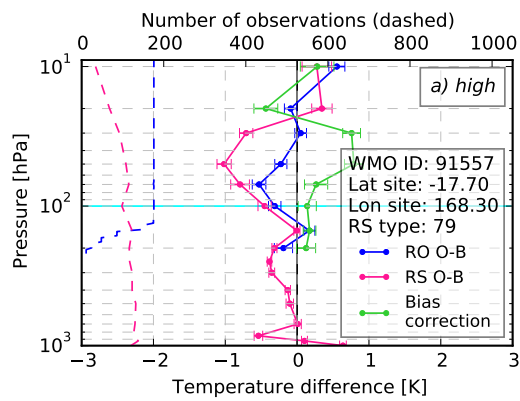


### 1.692 WMO ID 91413



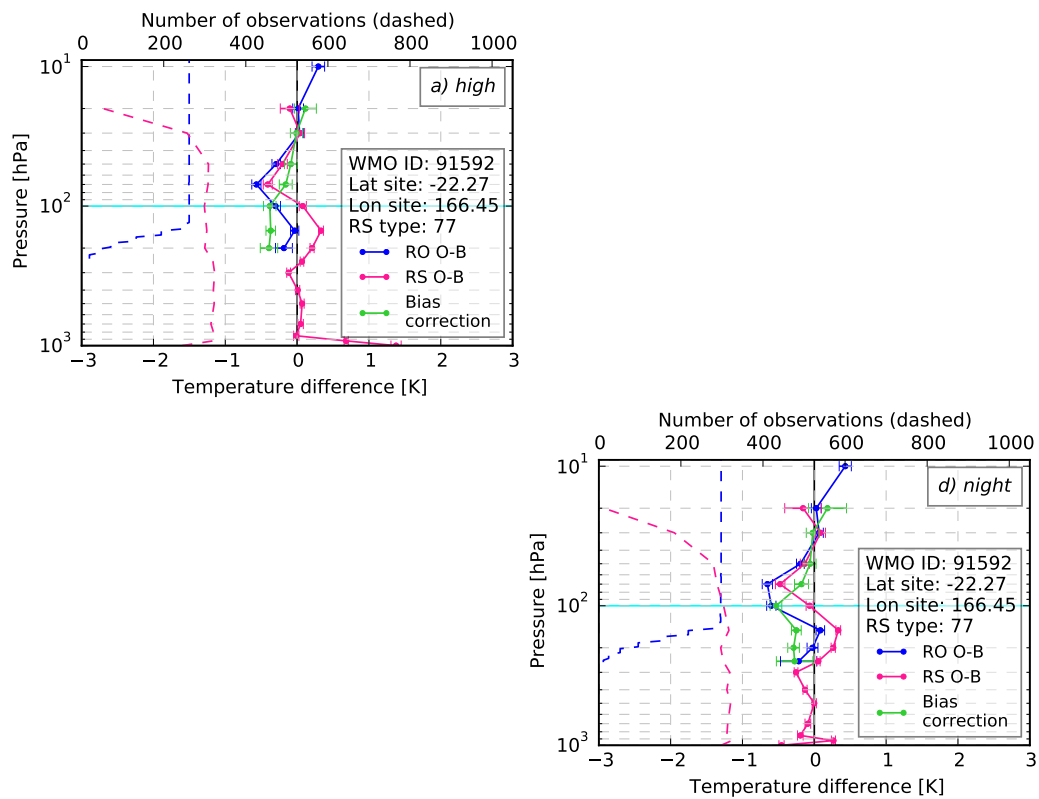
**Figure 1.692:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.693 WMO ID 91557



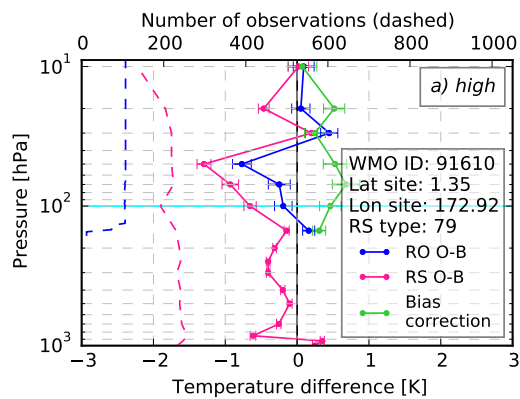
**Figure 1.693:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.694 WMO ID 91592



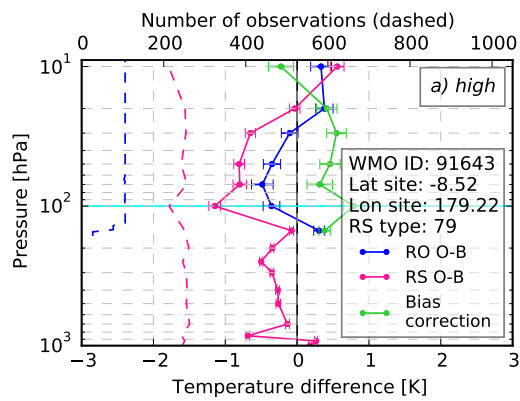
**Figure 1.694:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.695 WMO ID 91610



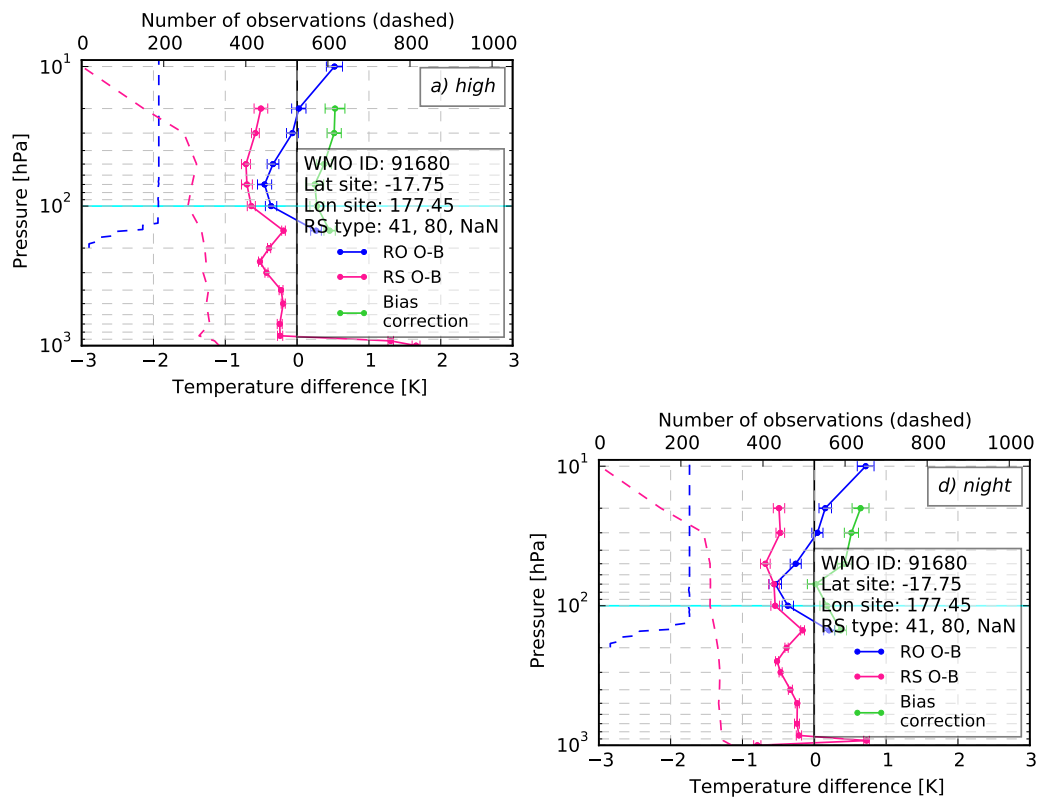
**Figure 1.695:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.696 WMO ID 91643



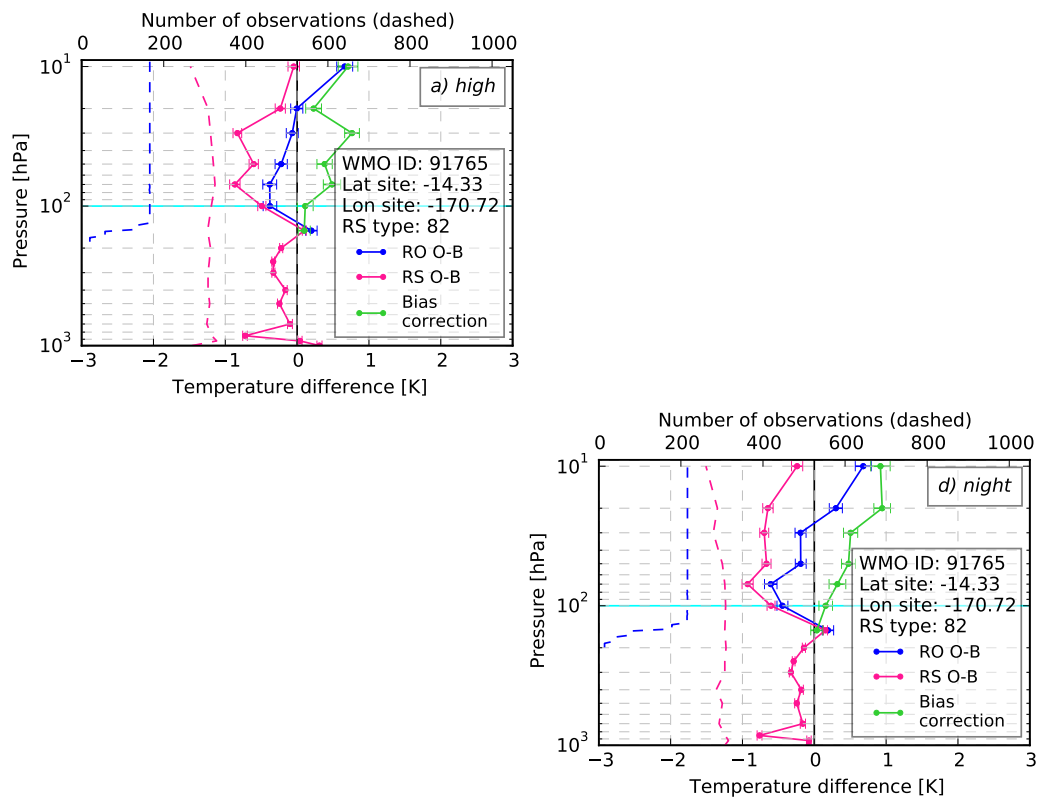
**Figure 1.696:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.697 WMO ID 91680



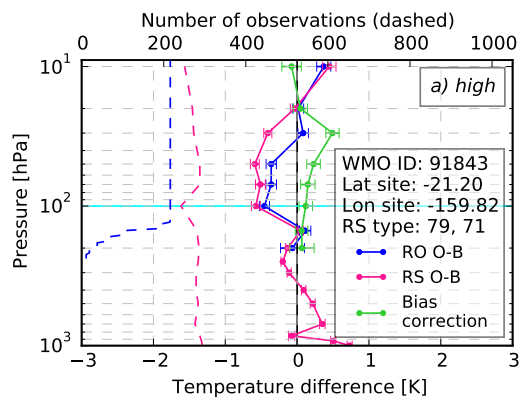
**Figure 1.697:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.698 WMO ID 91765



**Figure 1.698:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

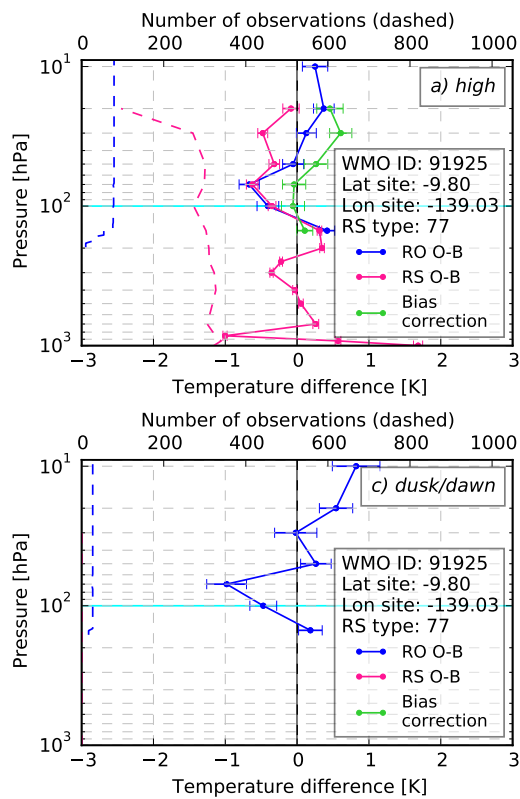
### 1.699 WMO ID 91843



**Figure 1.699:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

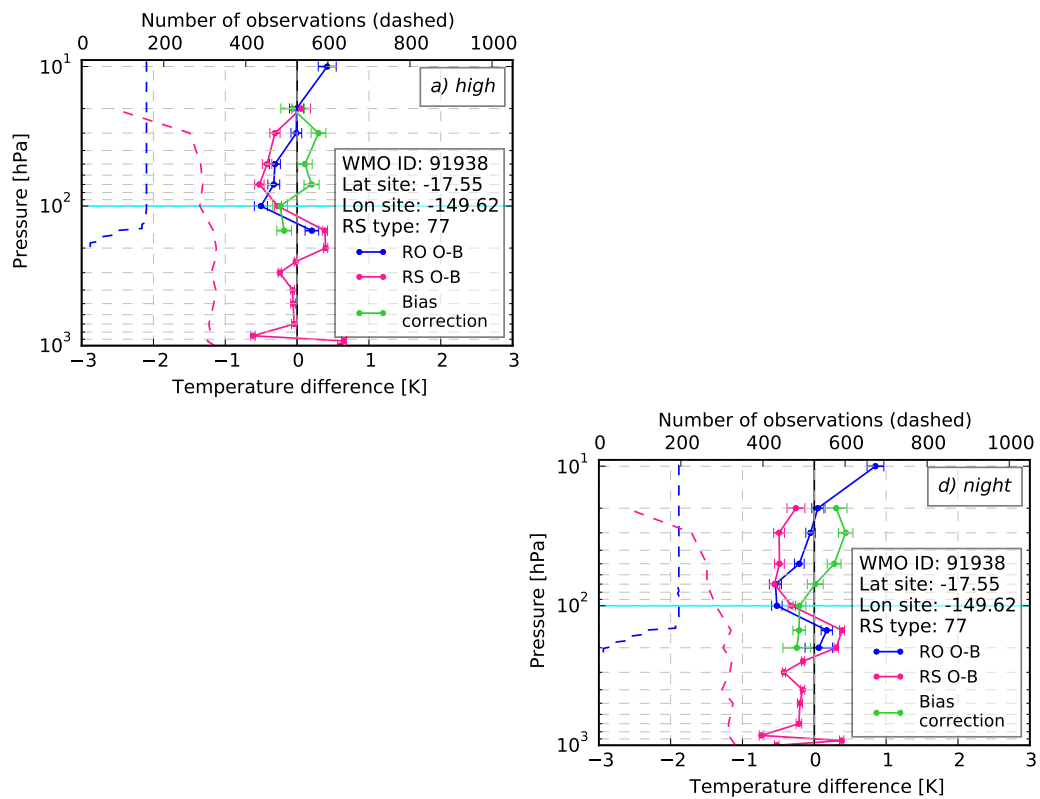


## 1.700 WMO ID 91925



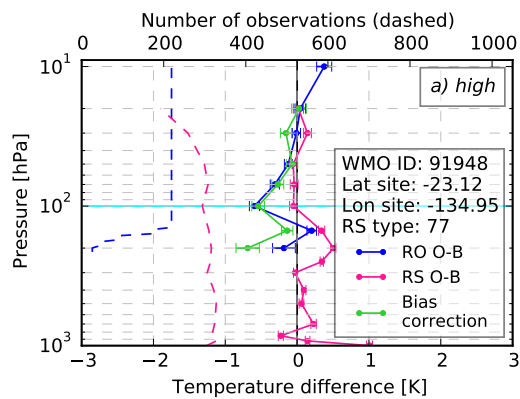
**Figure 1.700:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.701 WMO ID 91938



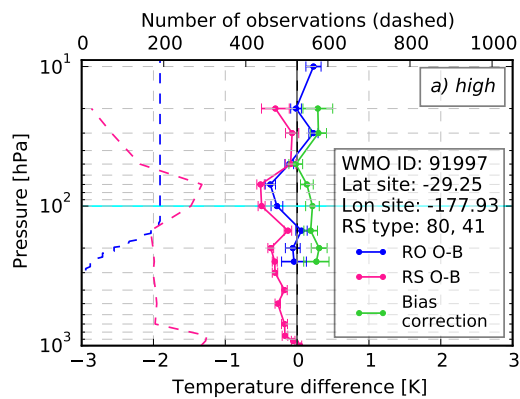
**Figure 1.701:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## 1.702 WMO ID 91948



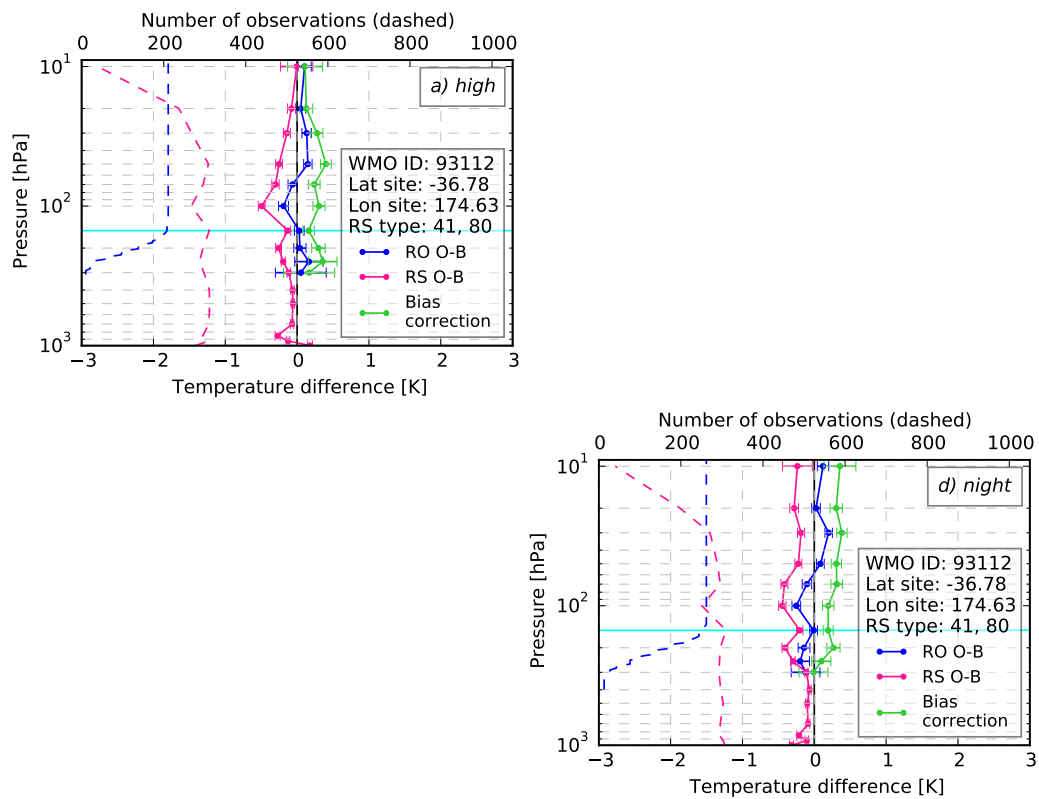
**Figure 1.702:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.703 WMO ID 91997



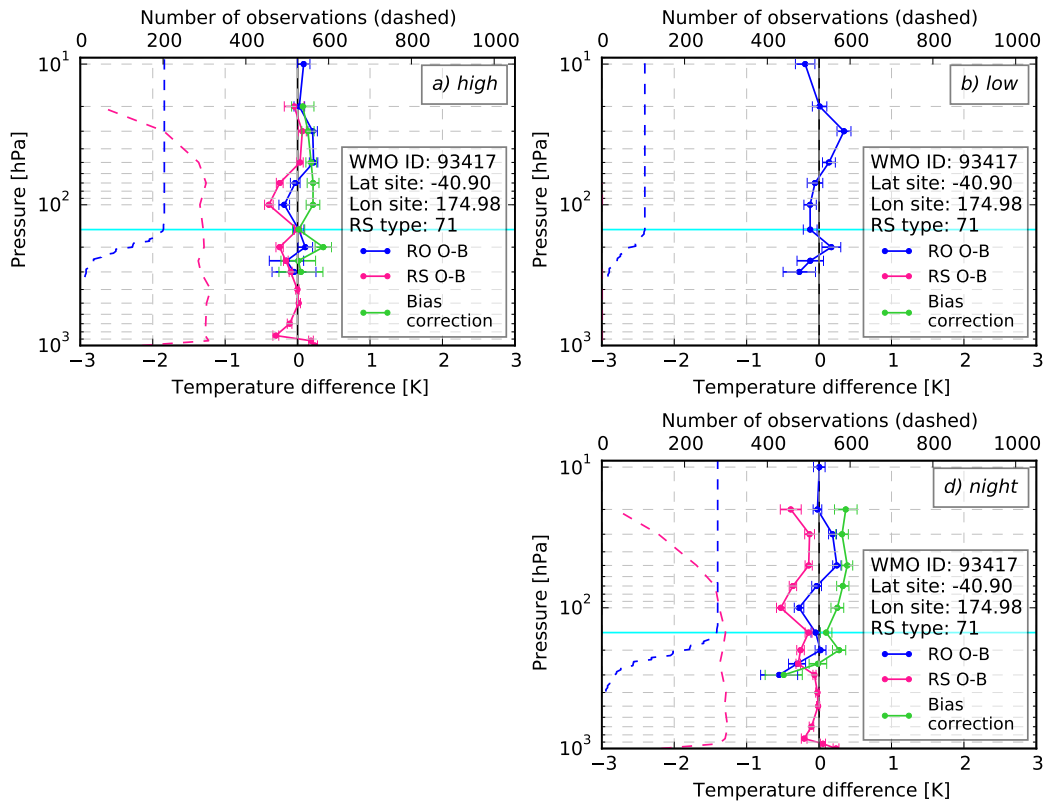
**Figure 1.703:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.704 WMO ID 93112



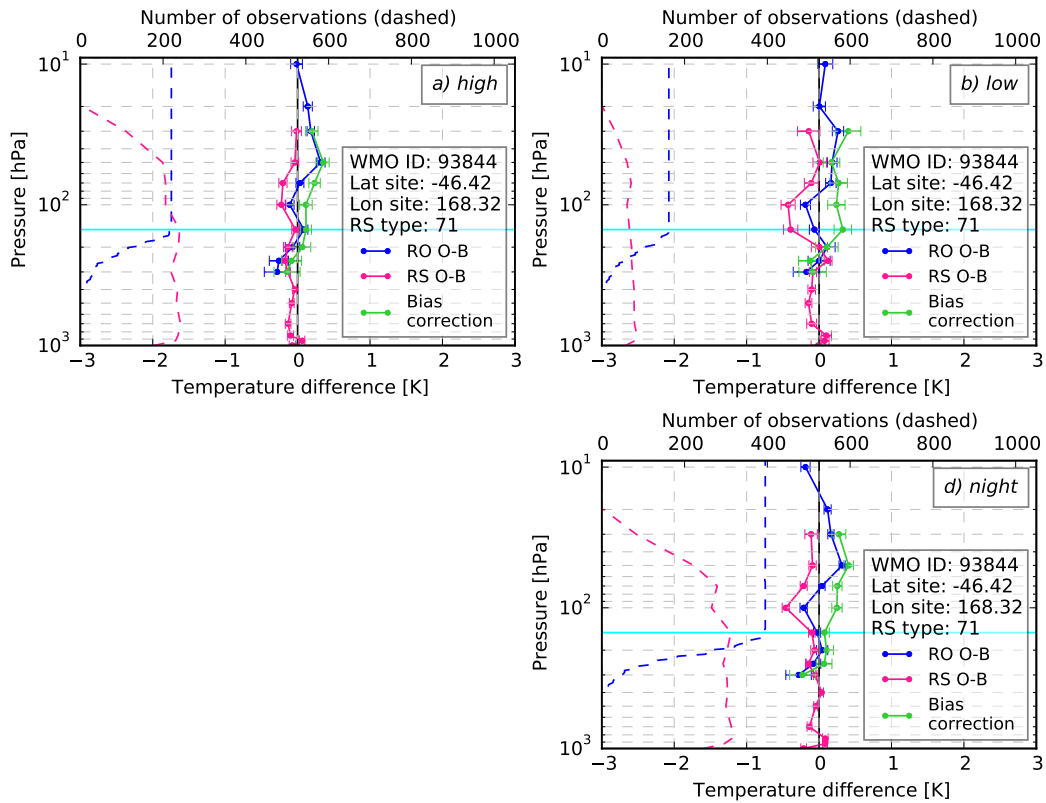
**Figure 1.704:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.705 WMO ID 93417



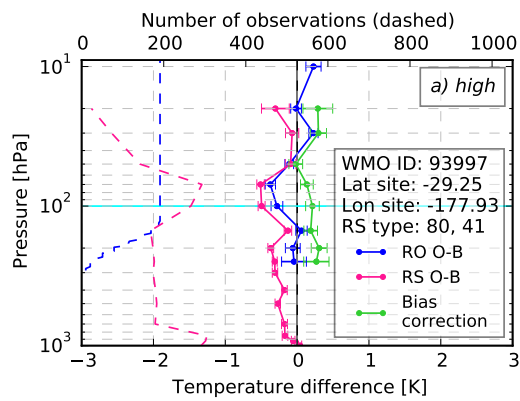
**Figure 1.705:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.706 WMO ID 93844



**Figure 1.706:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

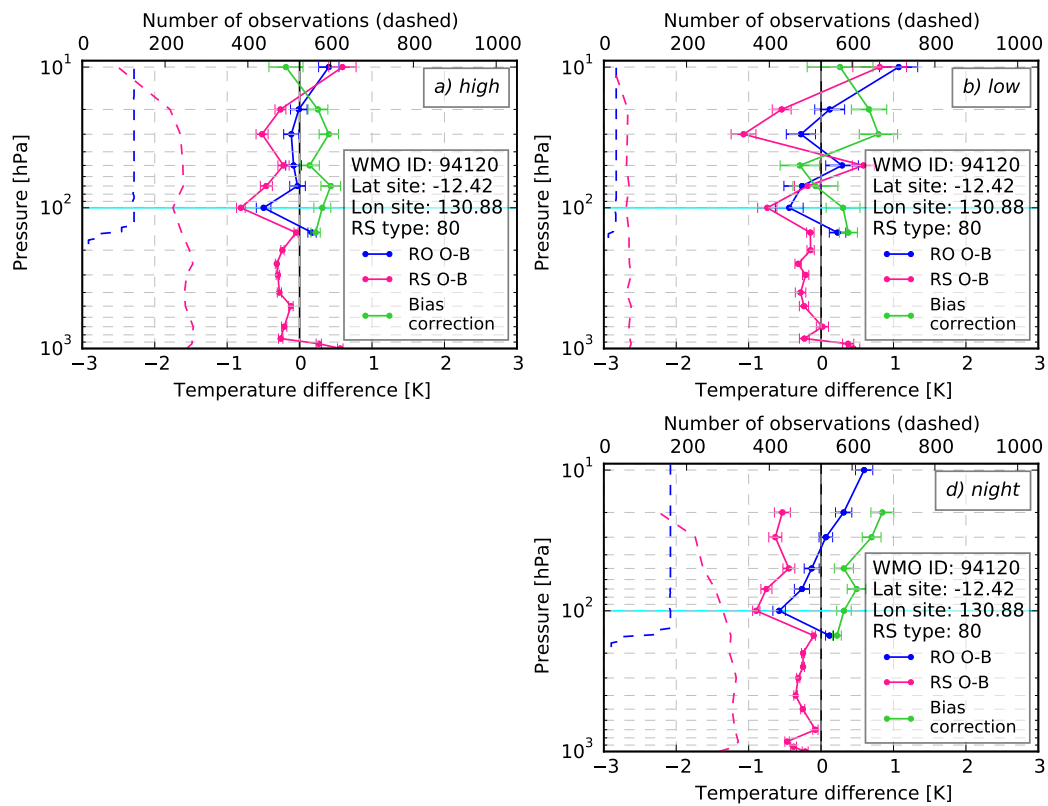
### 1.707 WMO ID 93997



**Figure 1.707:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

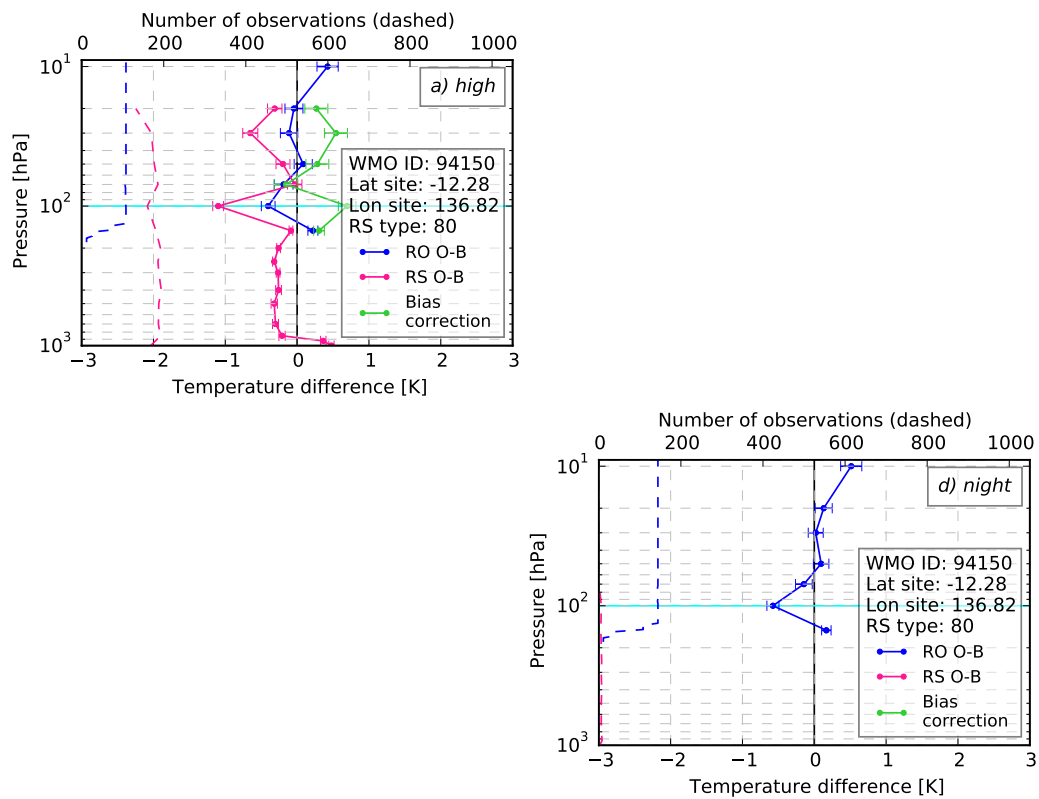


## 1.708 WMO ID 94120



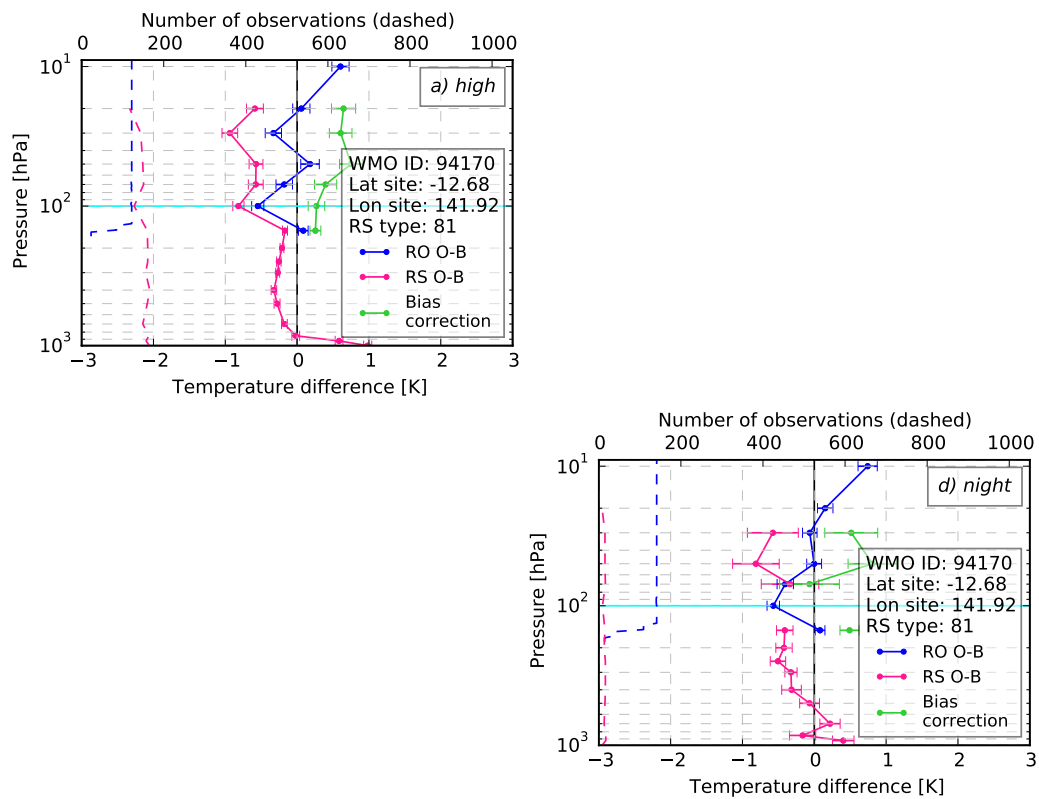
**Figure 1.708:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.709 WMO ID 94150



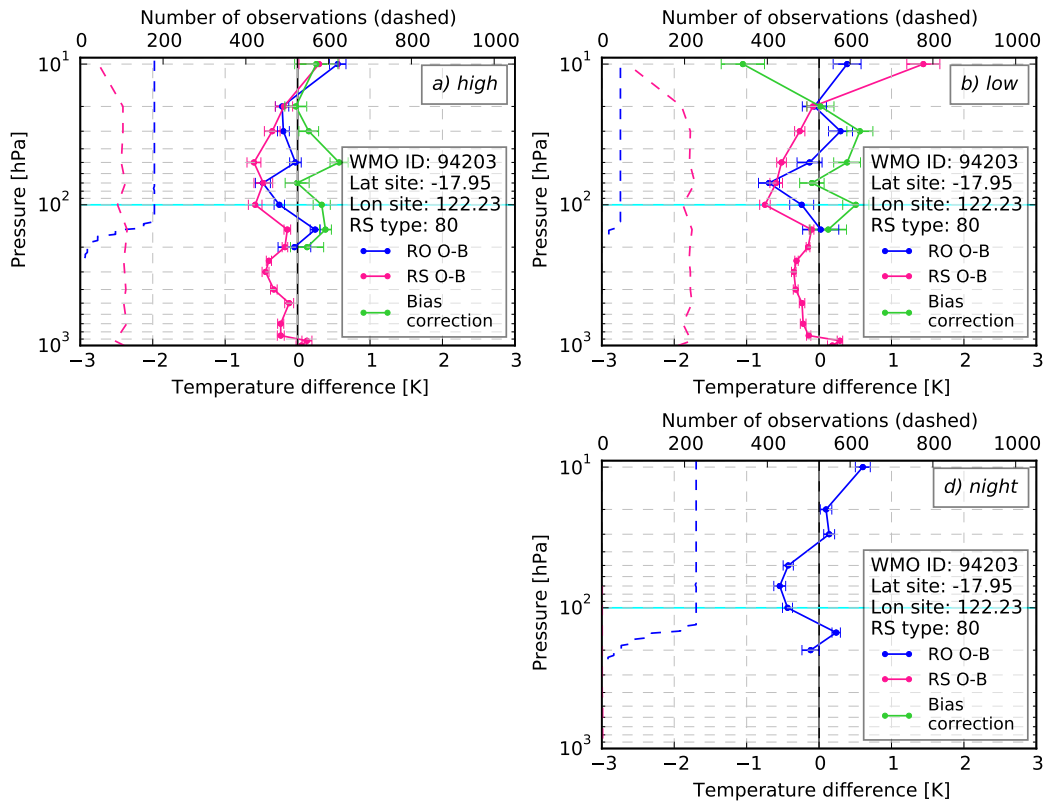
**Figure 1.709:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.710 WMO ID 94170



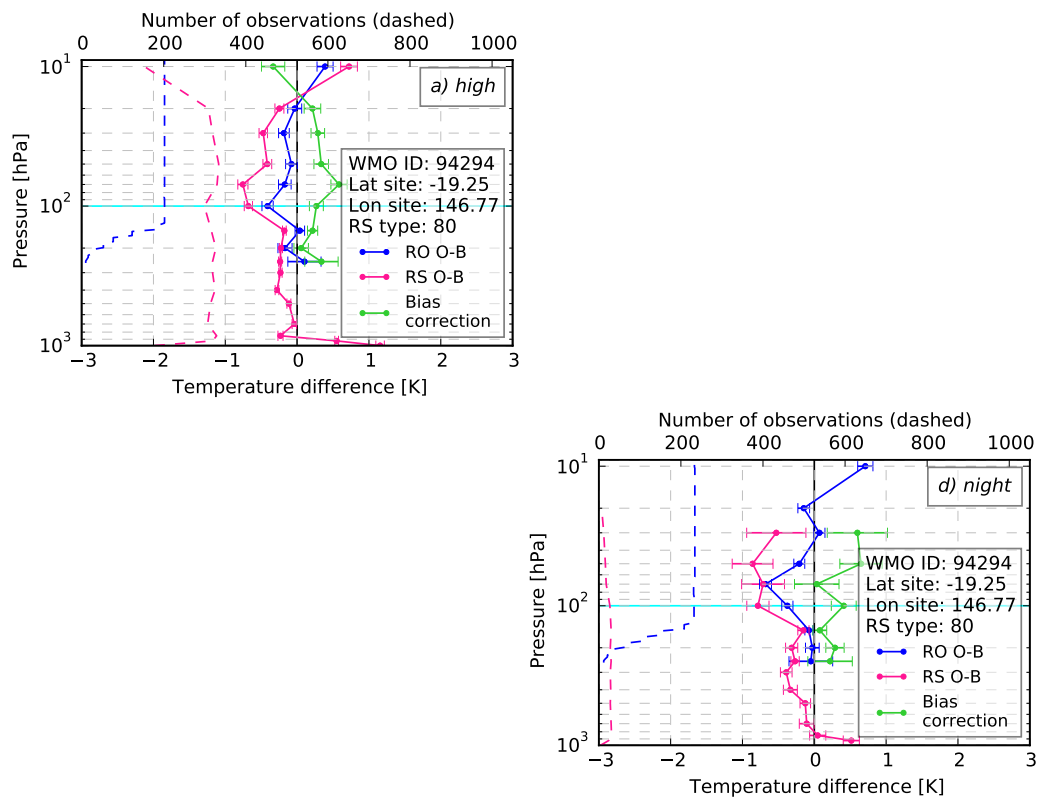
**Figure 1.710:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.711 WMO ID 94203



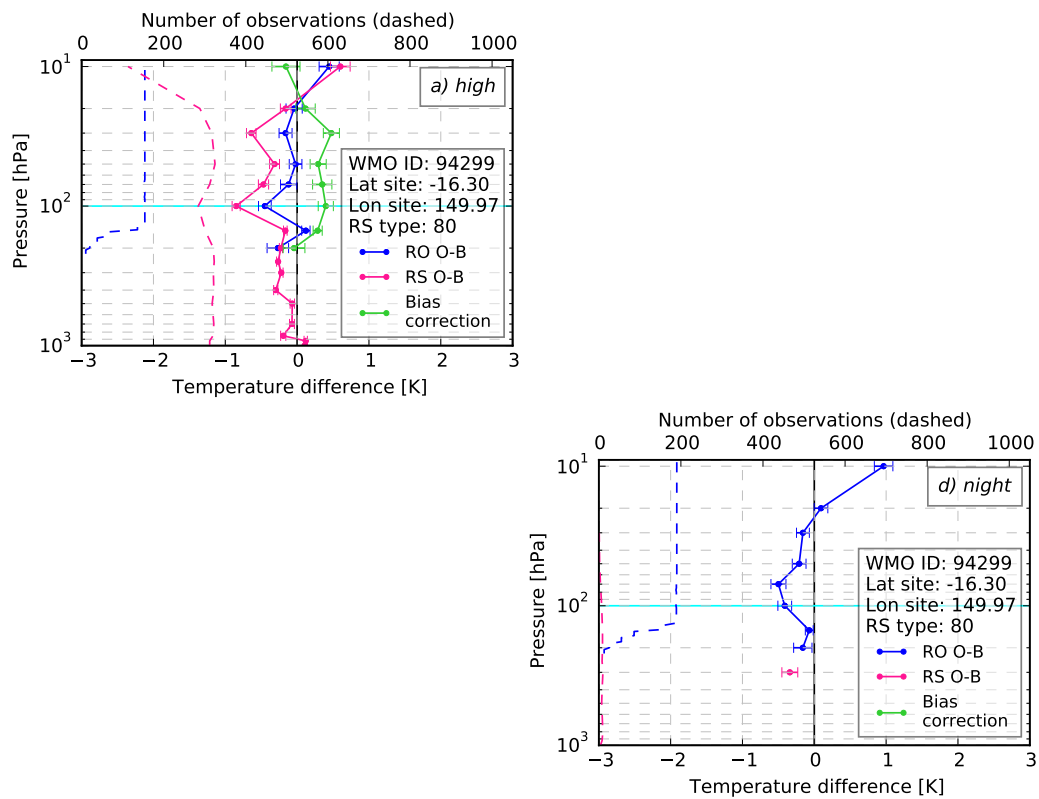
**Figure 1.711:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.712 WMO ID 94294



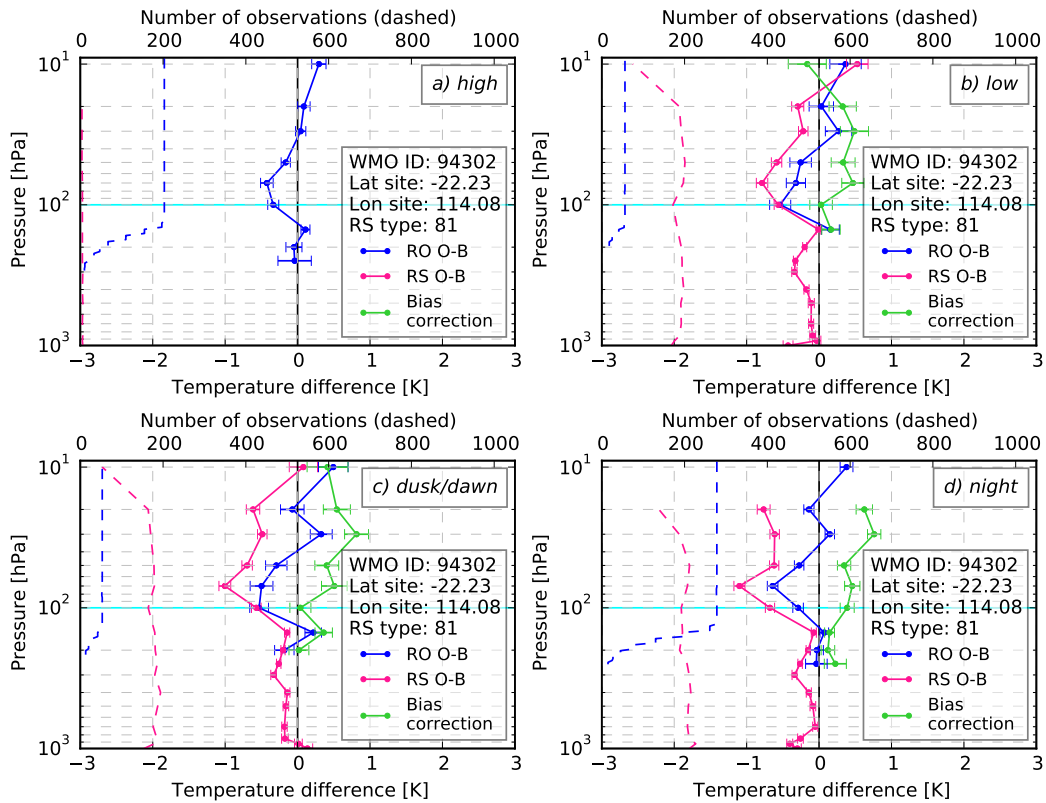
**Figure 1.712:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.713 WMO ID 94299



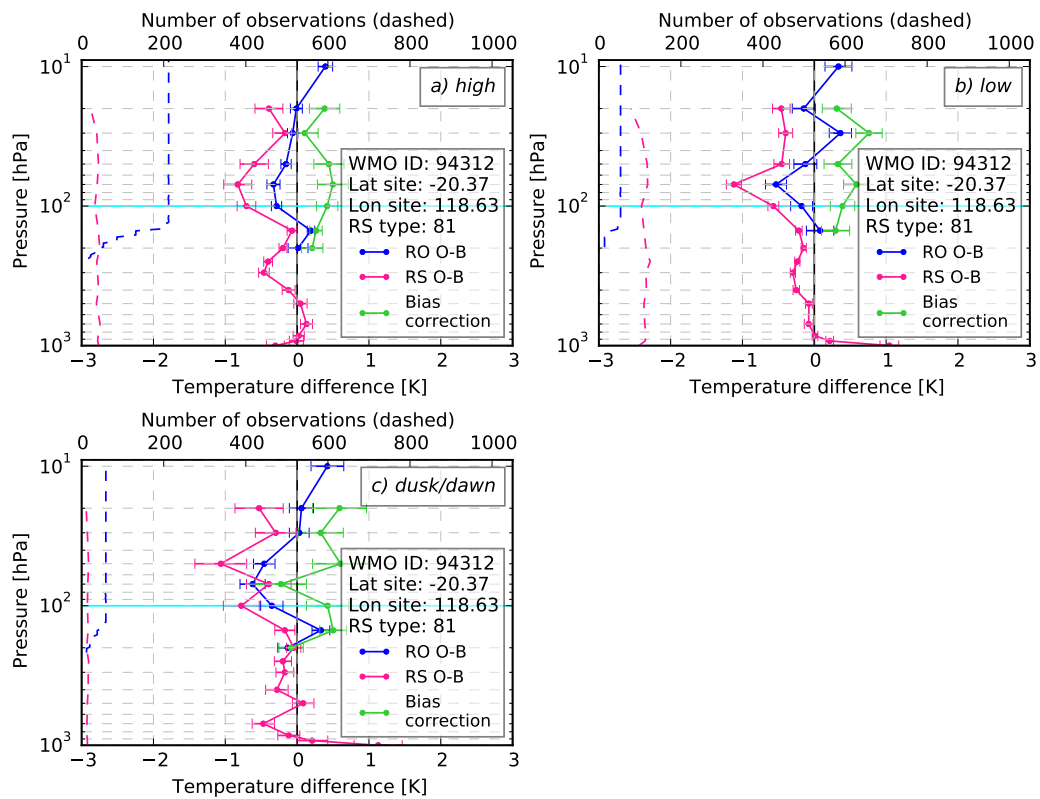
**Figure 1.713:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.714 WMO ID 94302



**Figure 1.714:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

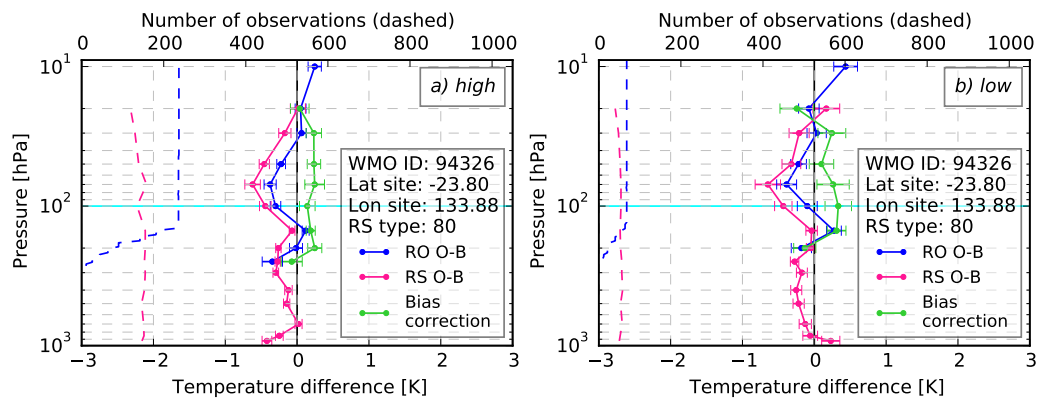
## 1.715 WMO ID 94312



**Figure 1.715:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

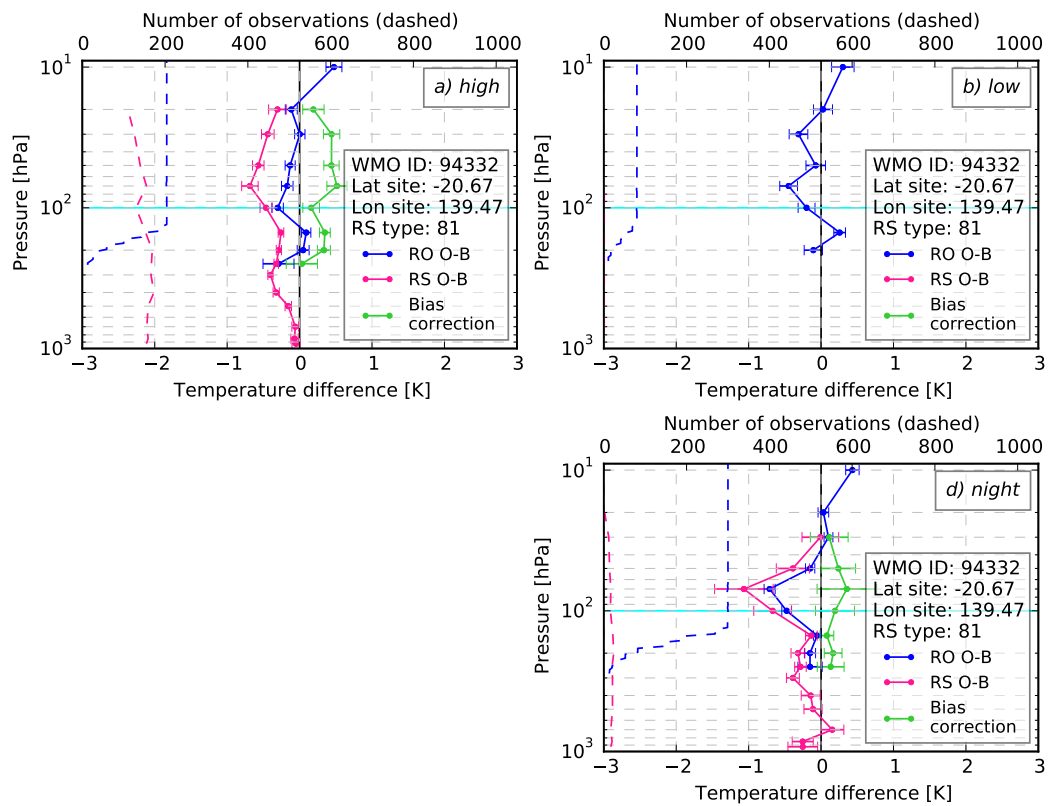


### 1.716 WMO ID 94326



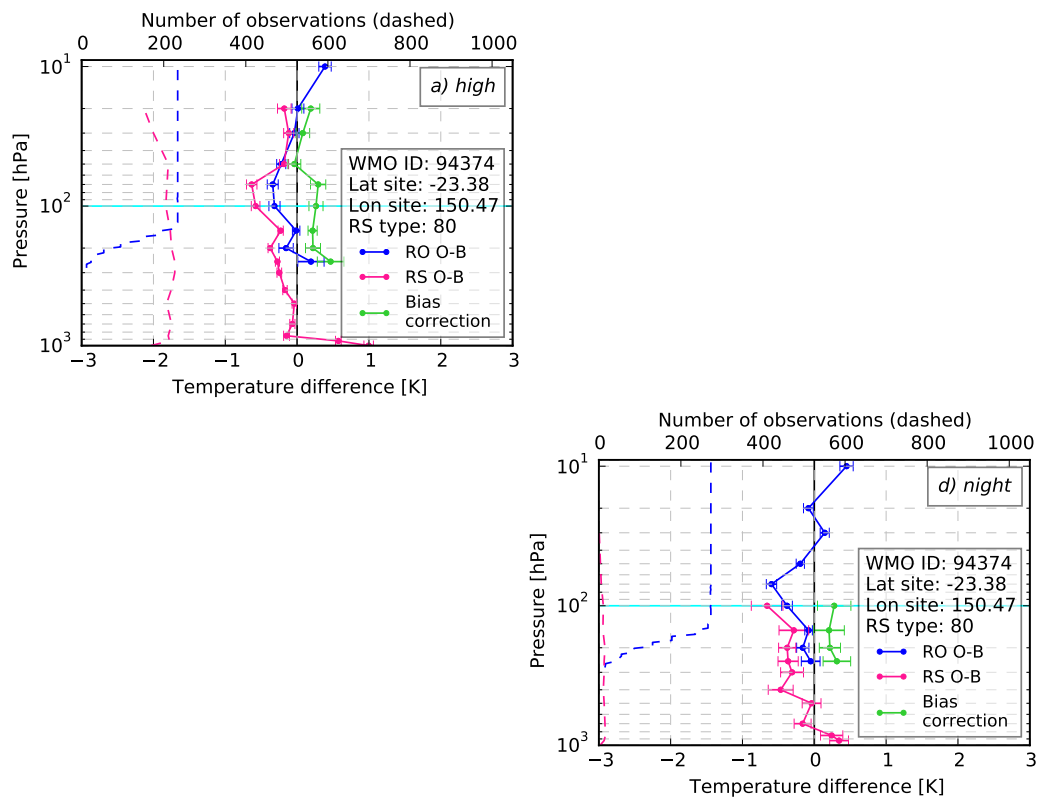
**Figure 1.716:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.717 WMO ID 94332



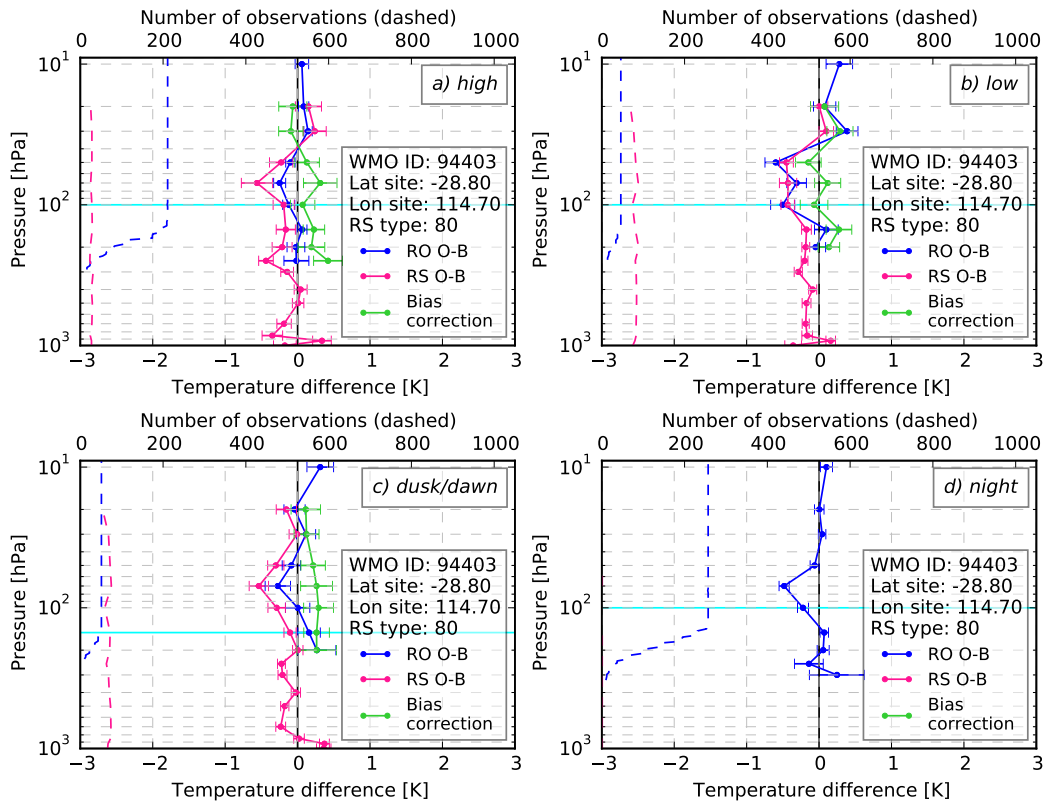
**Figure 1.717:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.718 WMO ID 94374



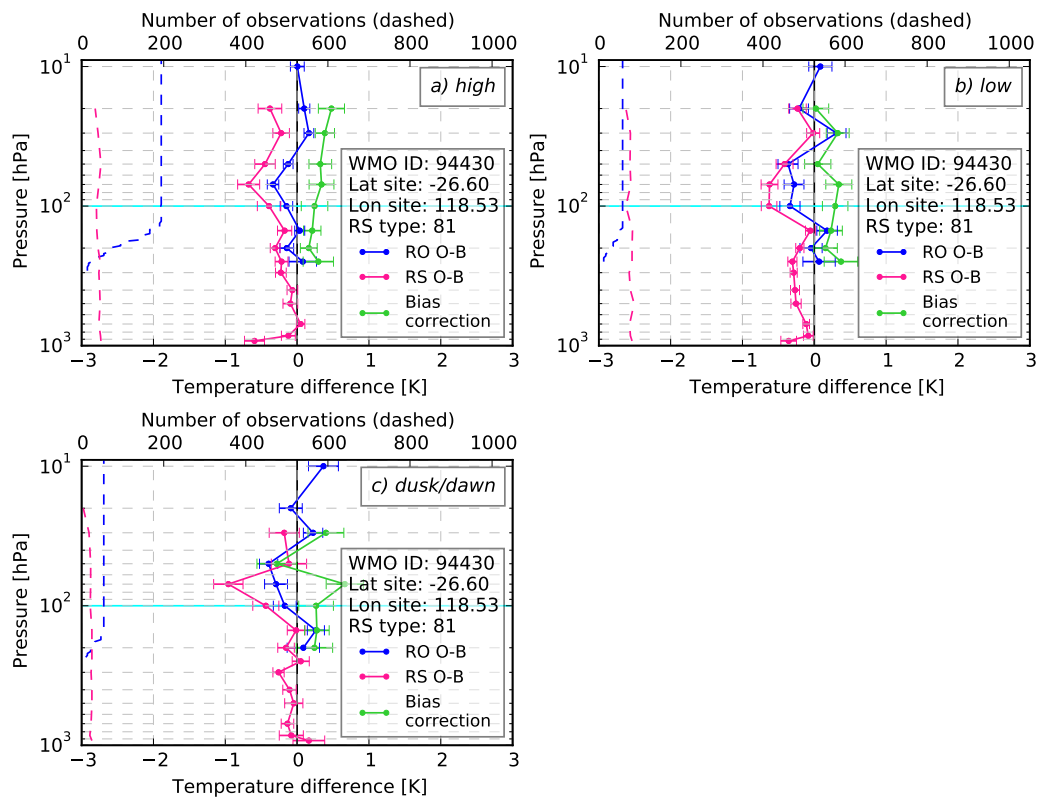
**Figure 1.718:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.719 WMO ID 94403



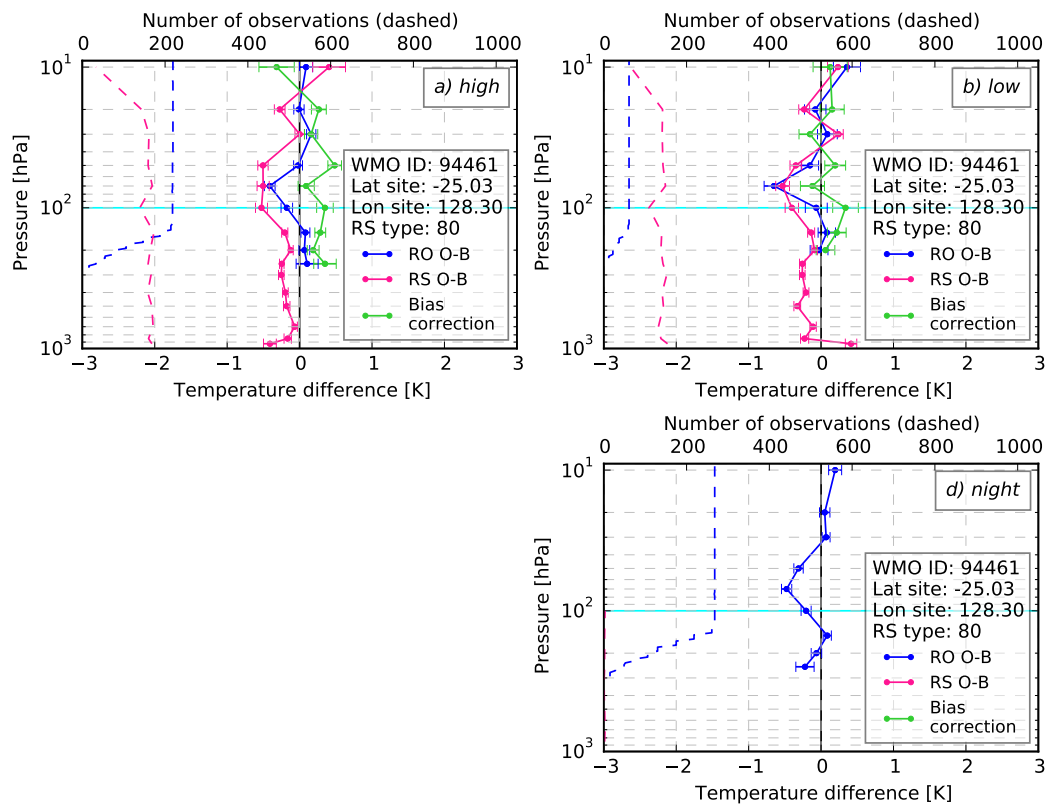
**Figure 1.719:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.720 WMO ID 94430



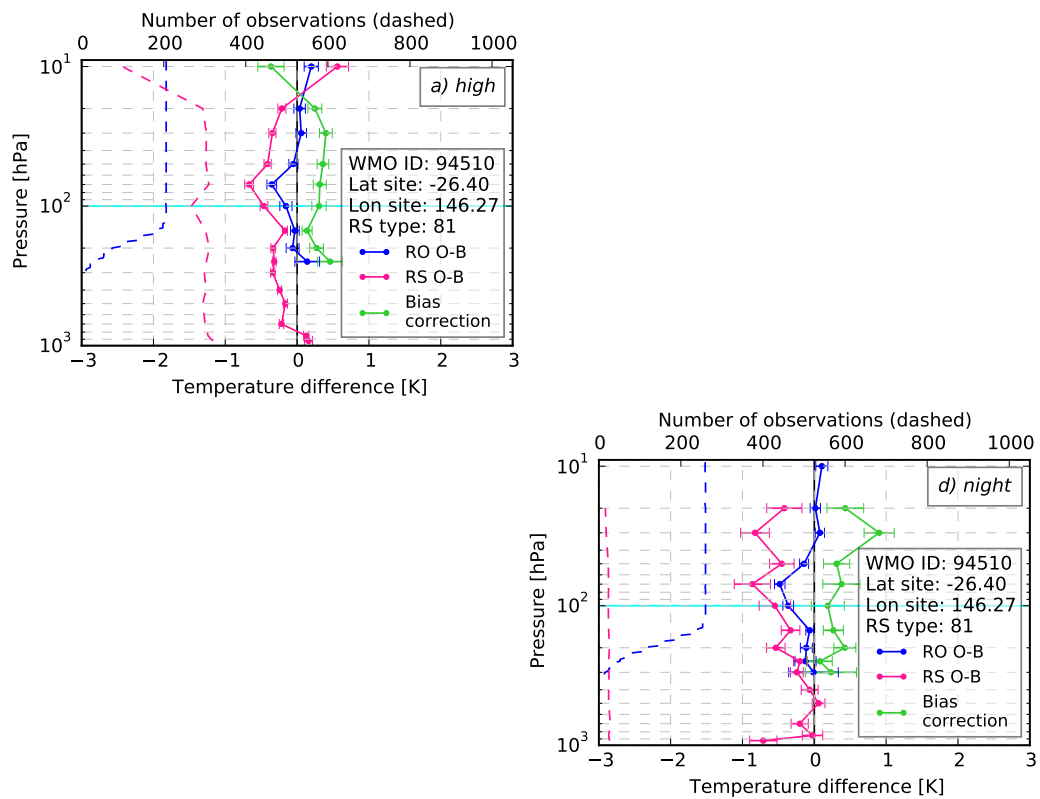
**Figure 1.720:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.721 WMO ID 94461



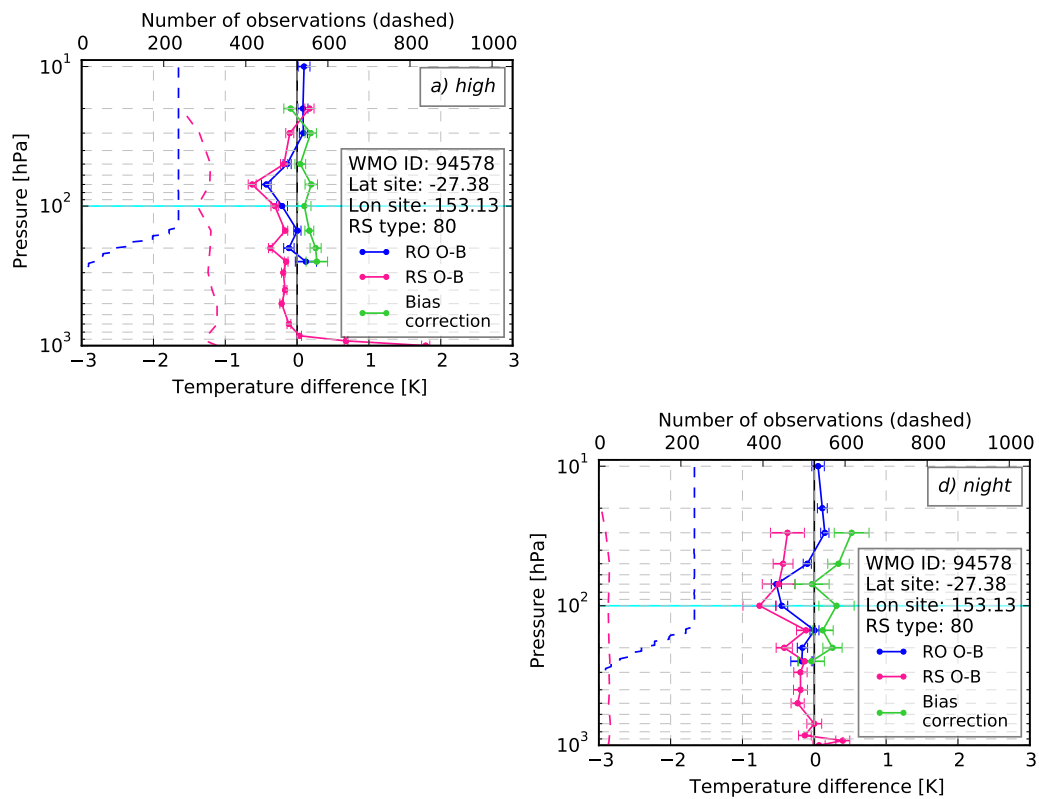
**Figure 1.721:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.722 WMO ID 94510



**Figure 1.722:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

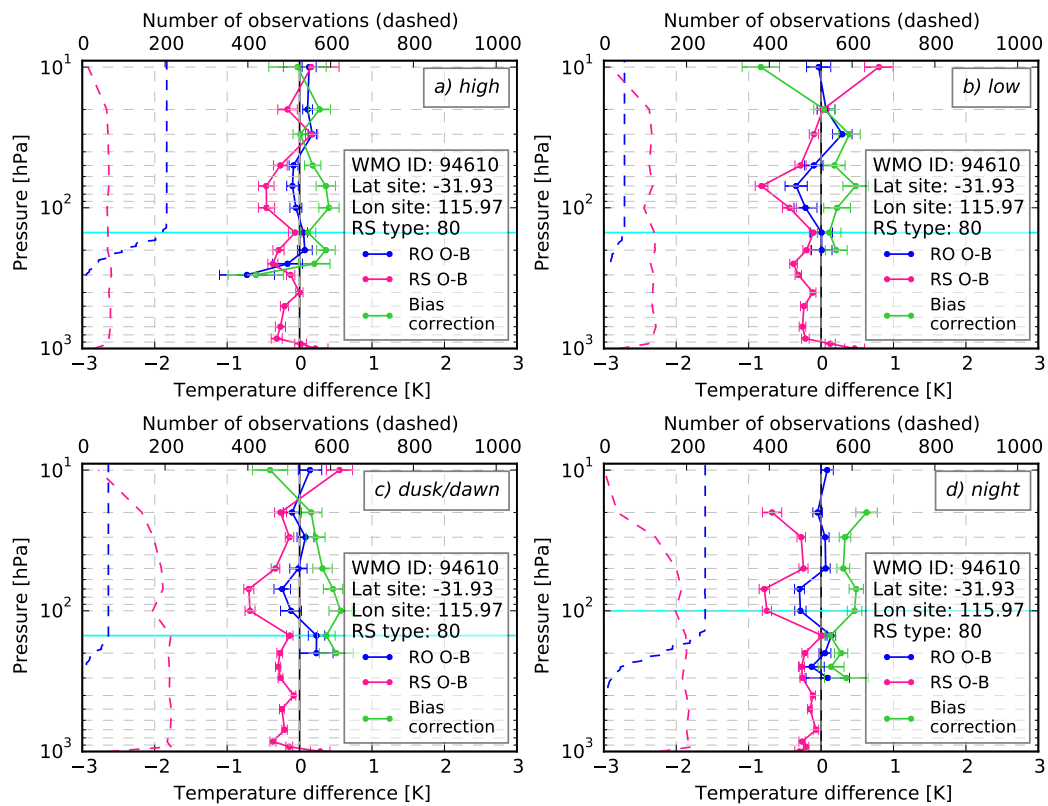
### 1.723 WMO ID 94578



**Figure 1.723:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

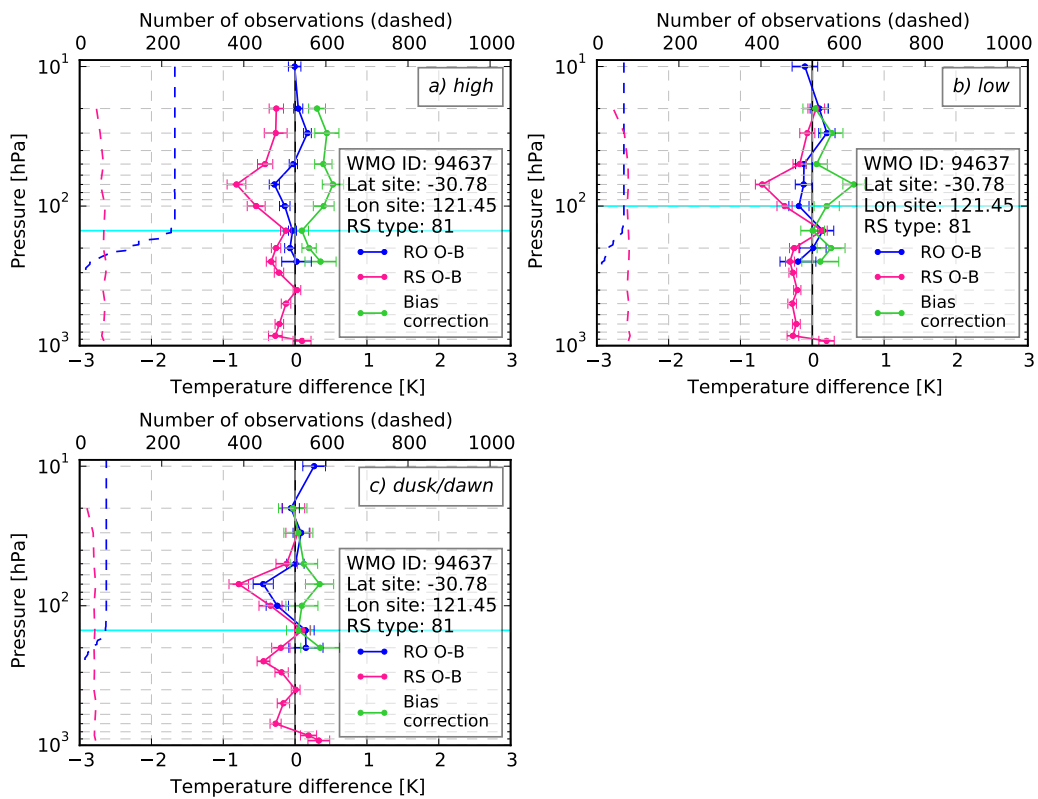


## 1.724 WMO ID 94610



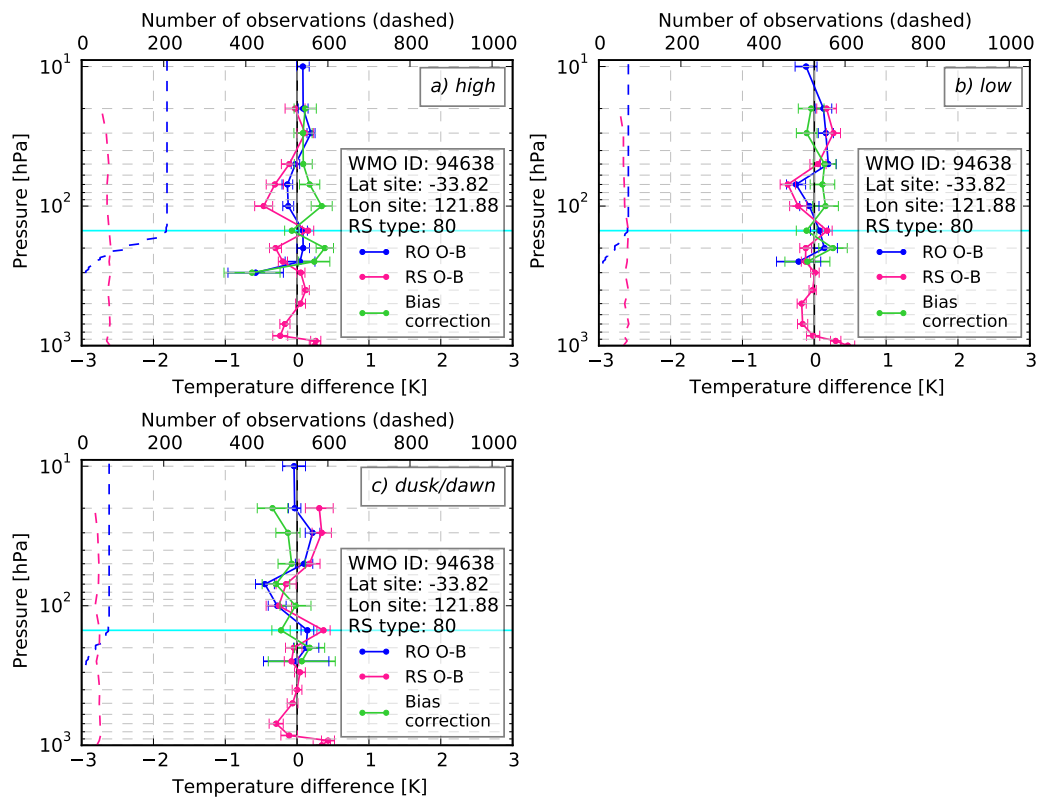
**Figure 1.724:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.725 WMO ID 94637



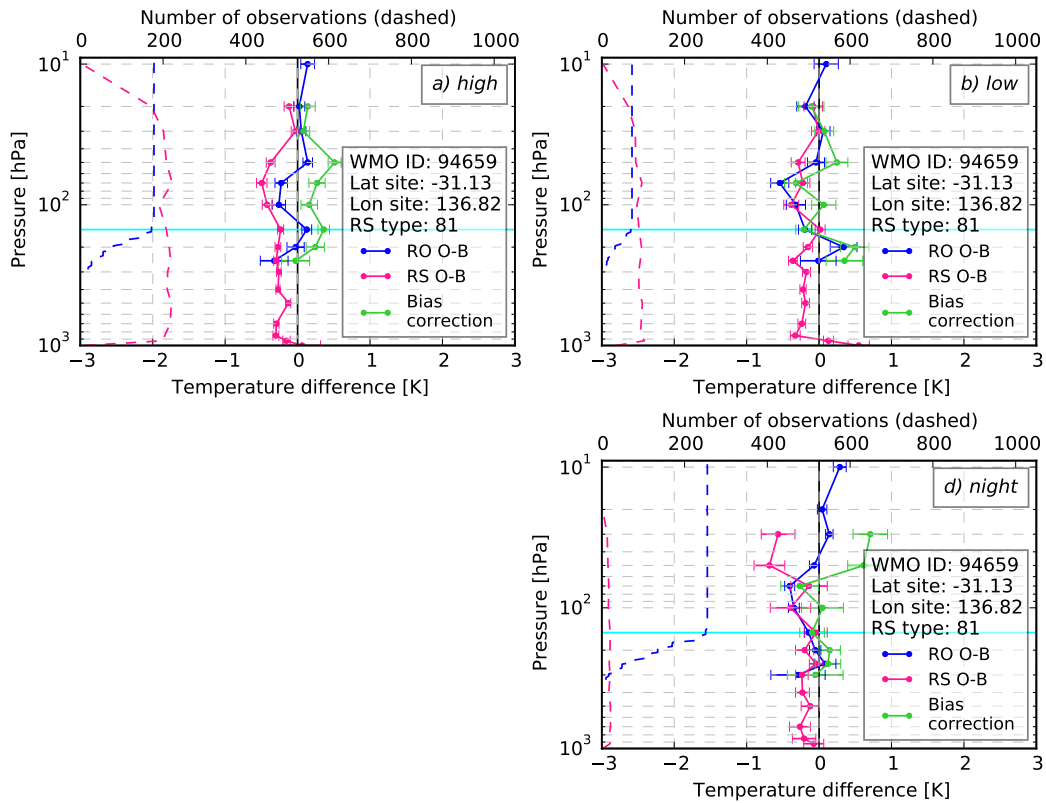
**Figure 1.725:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.726 WMO ID 94638



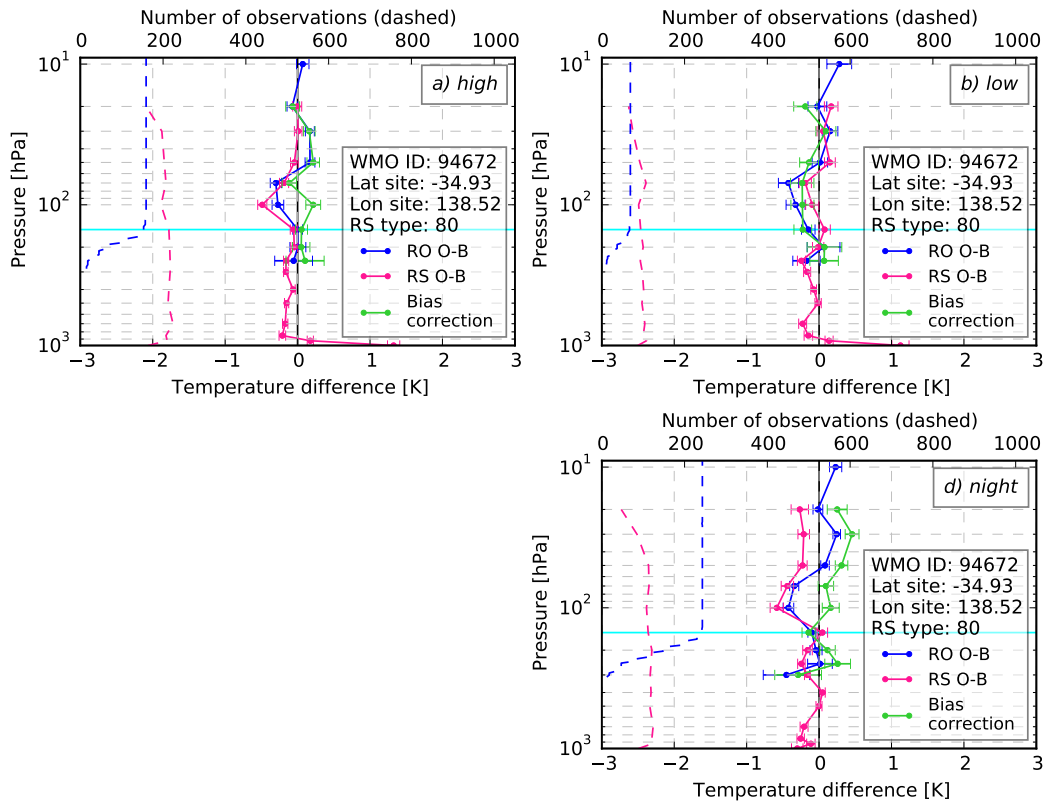
**Figure 1.726:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.727 WMO ID 94659



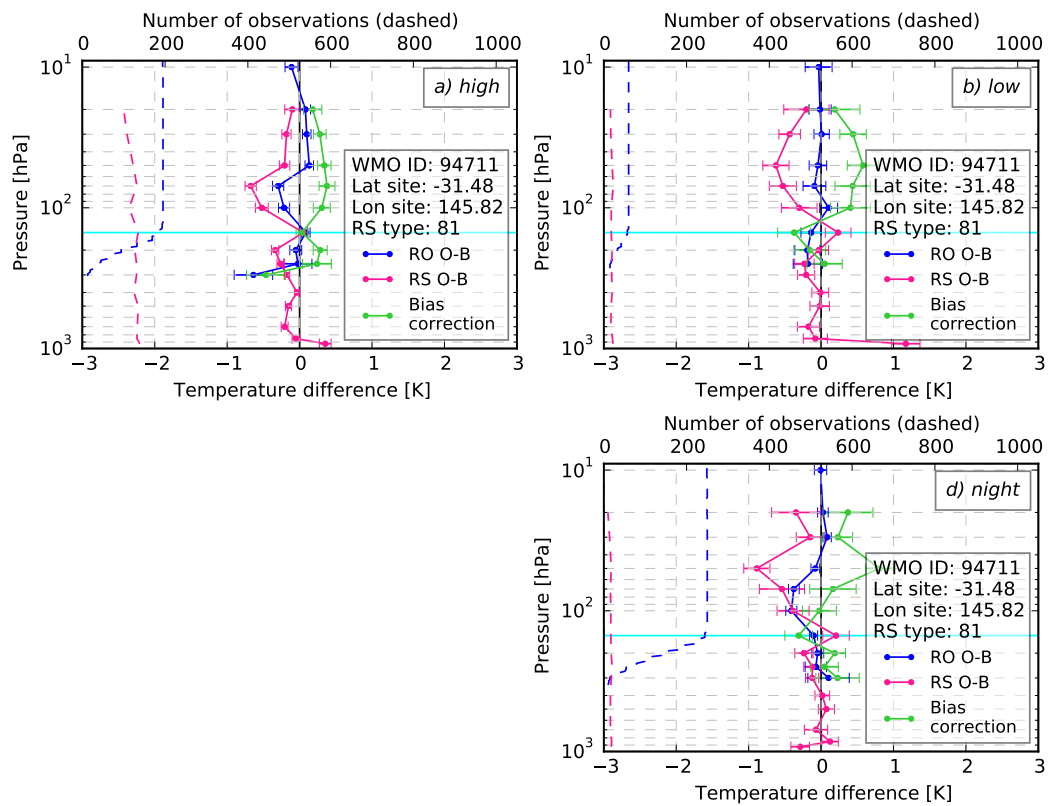
**Figure 1.727:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.728 WMO ID 94672



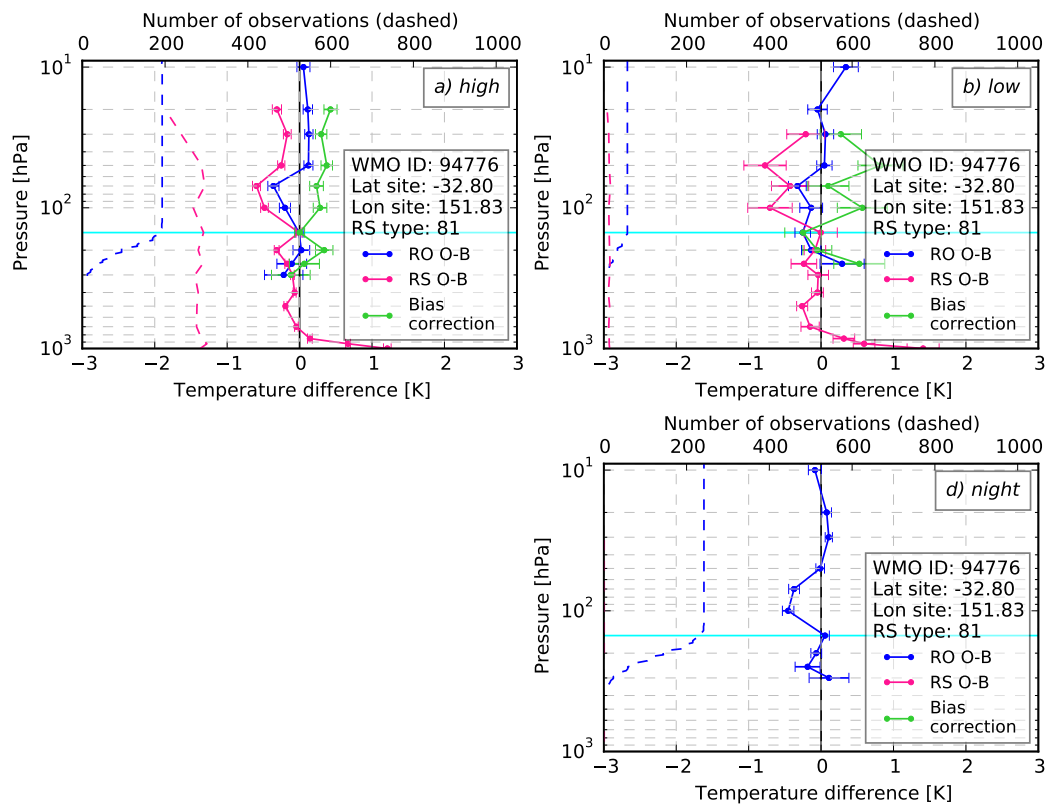
**Figure 1.728:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.729 WMO ID 94711



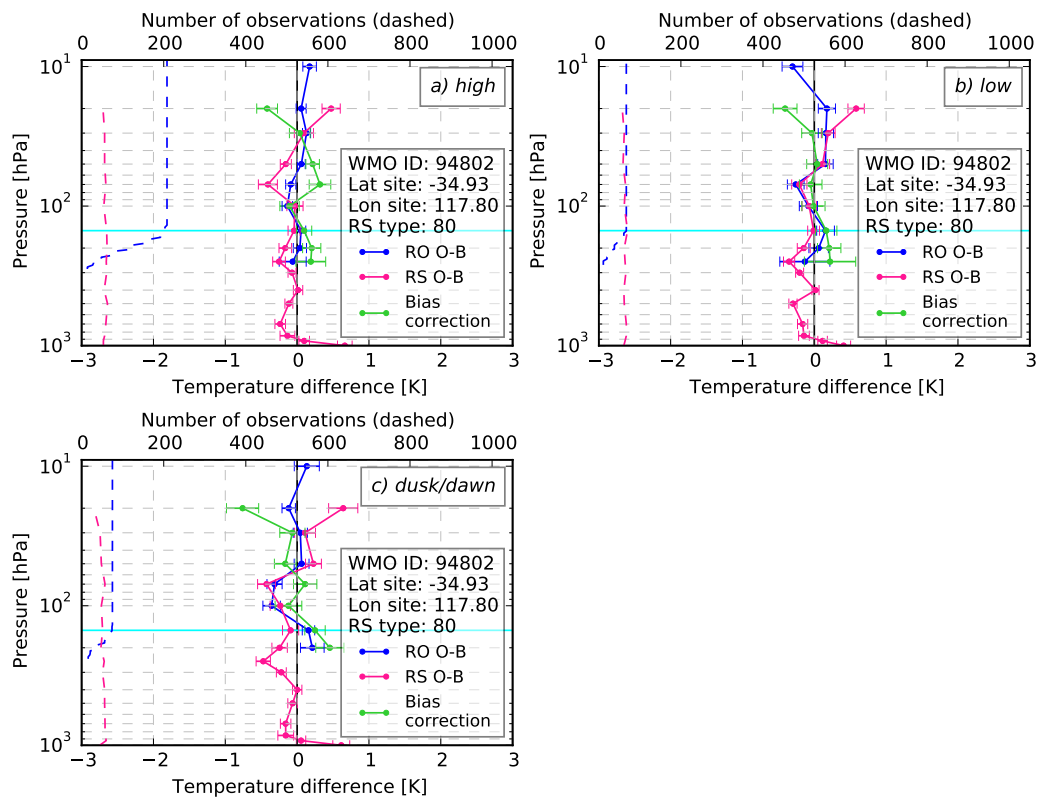
**Figure 1.729:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.730 WMO ID 94776



**Figure 1.730:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

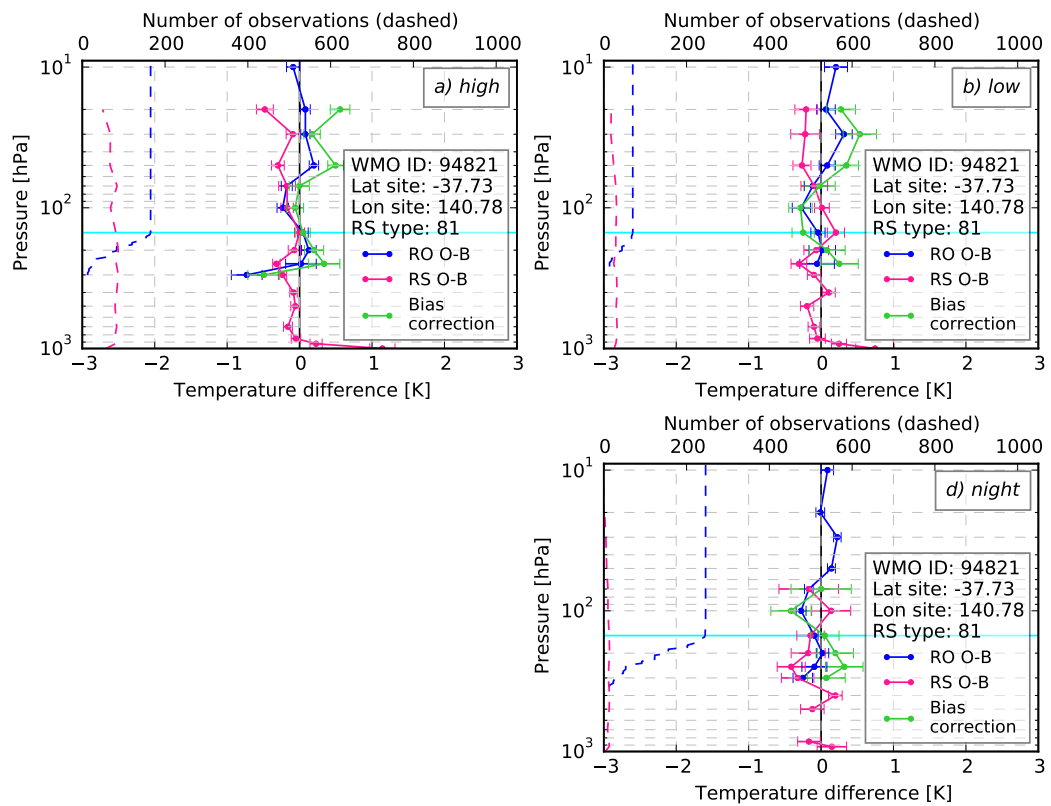
### 1.731 WMO ID 94802



**Figure 1.731:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

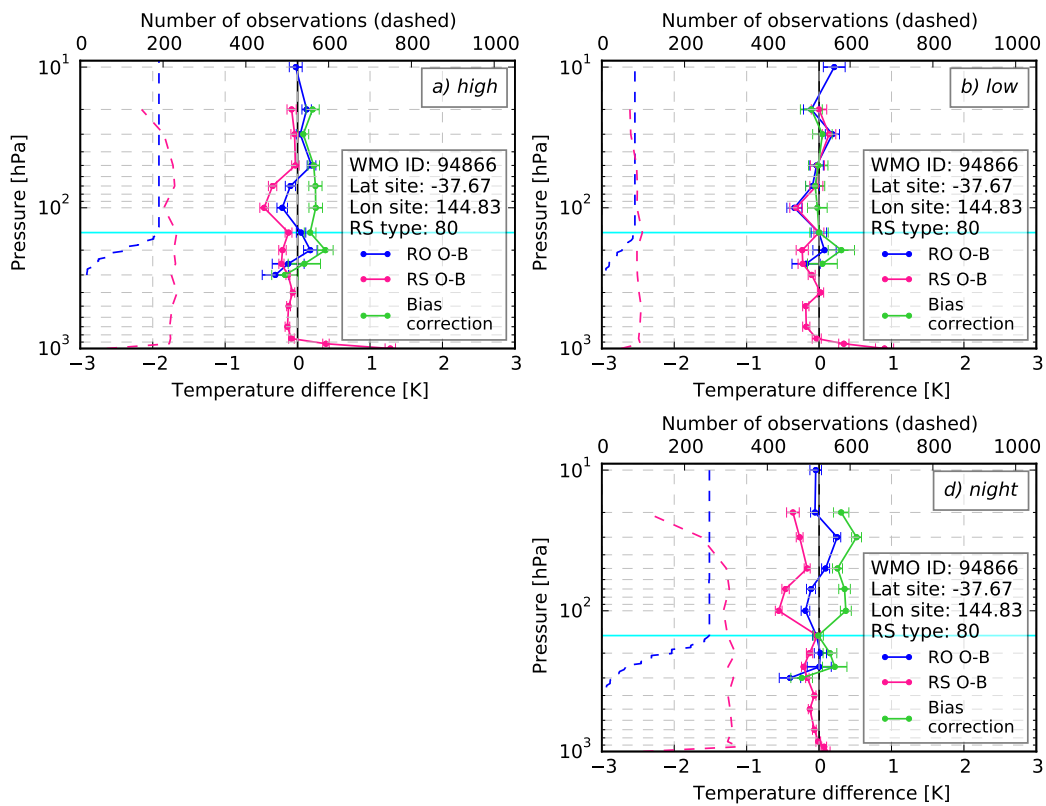


### 1.732 WMO ID 94821



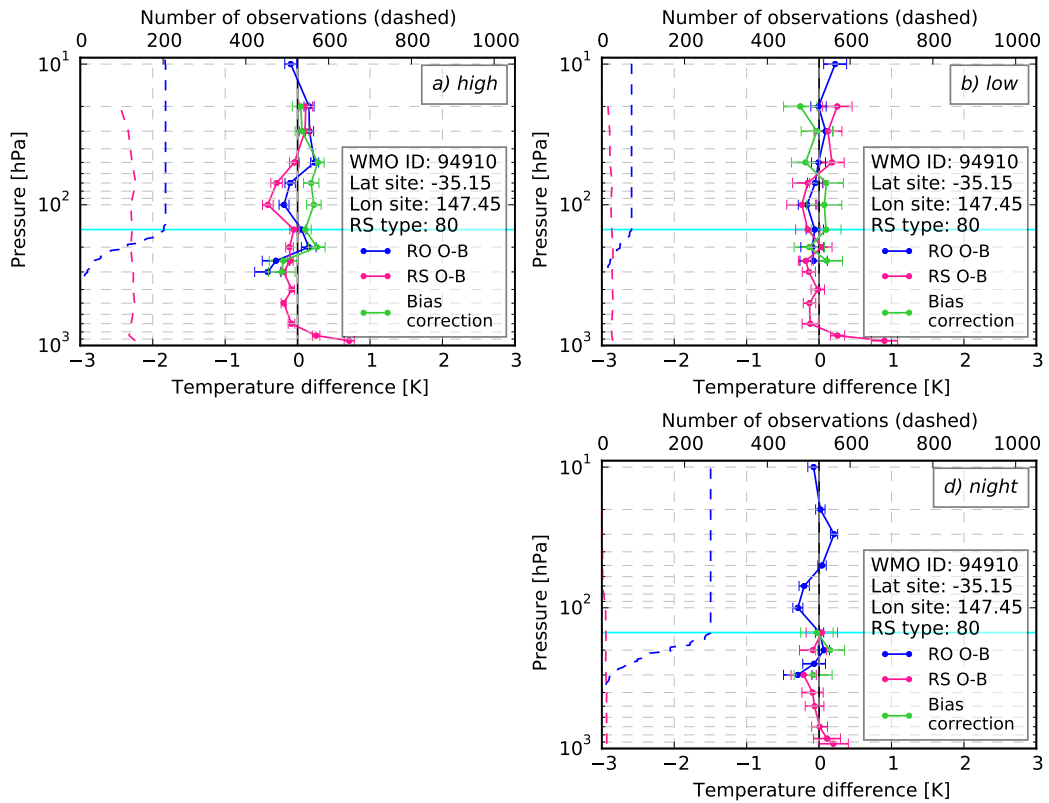
**Figure 1.732:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.733 WMO ID 94866



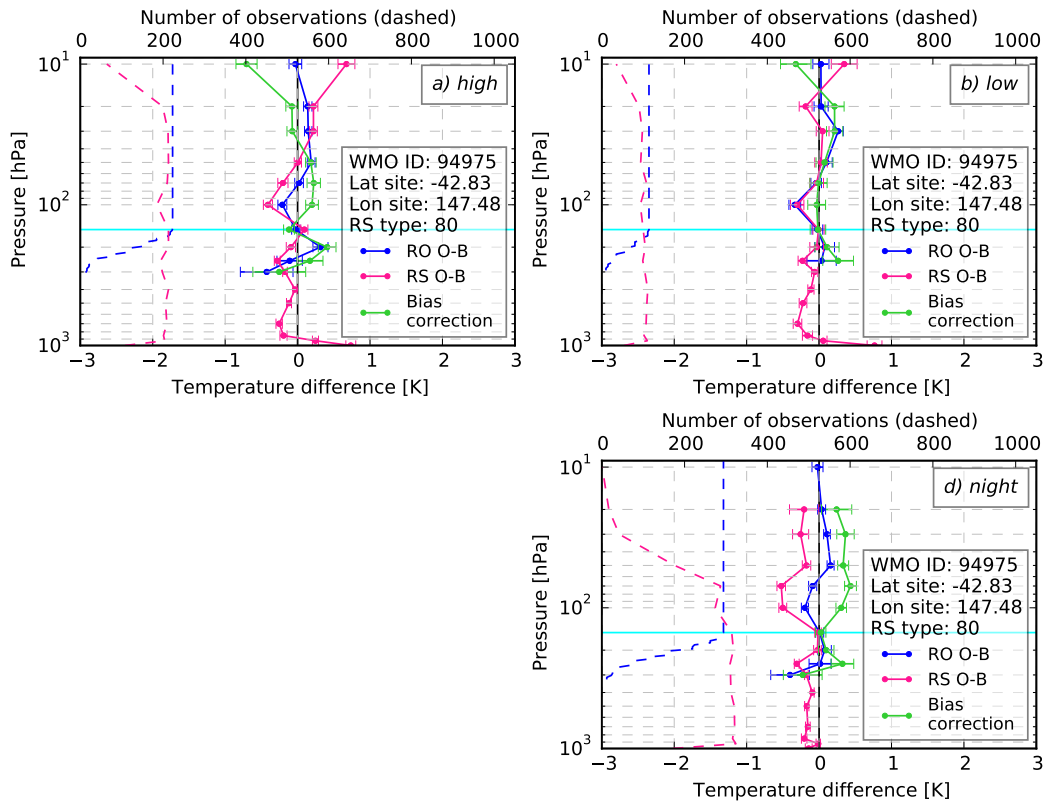
**Figure 1.733:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.734 WMO ID 94910



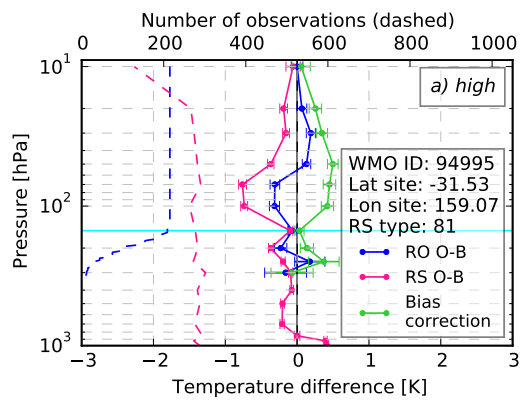
**Figure 1.734:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.735 WMO ID 94975



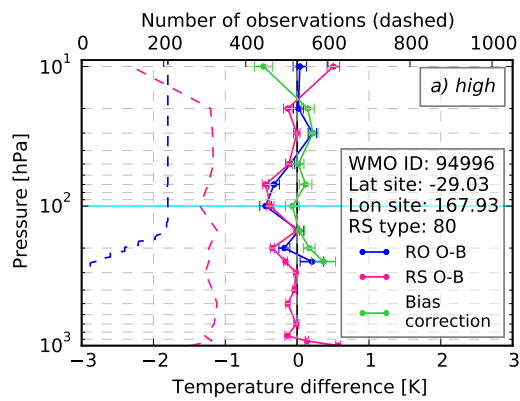
**Figure 1.735:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.736 WMO ID 94995



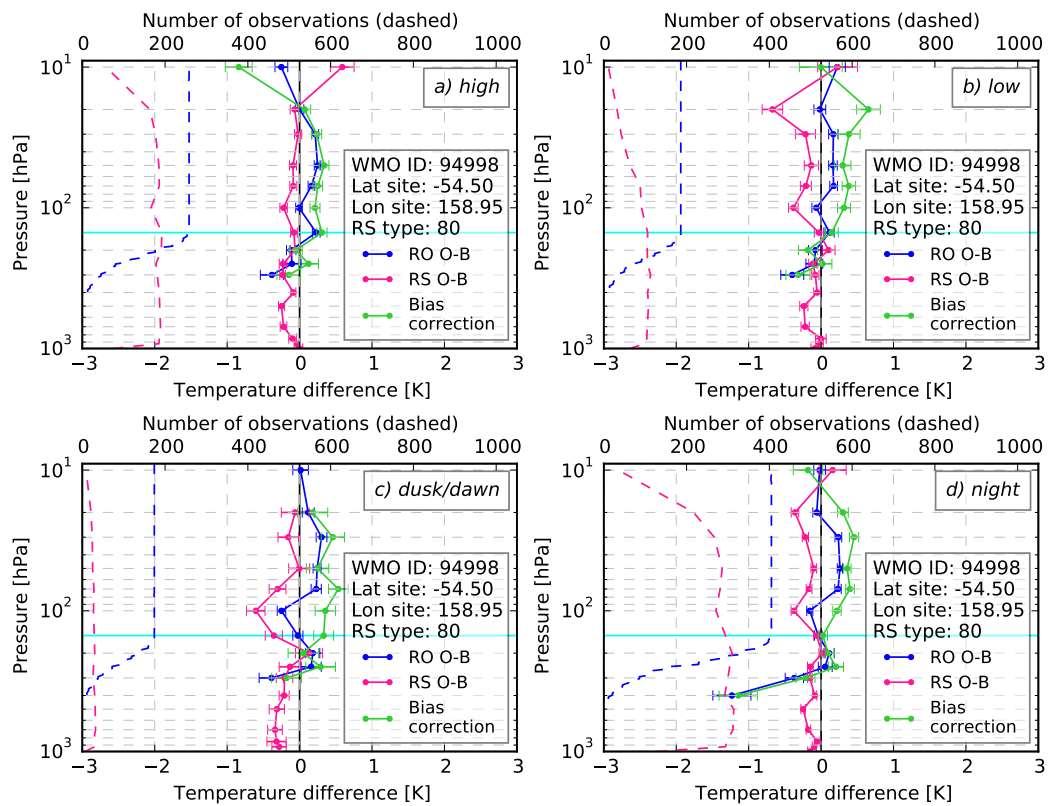
**Figure 1.736:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.737 WMO ID 94996



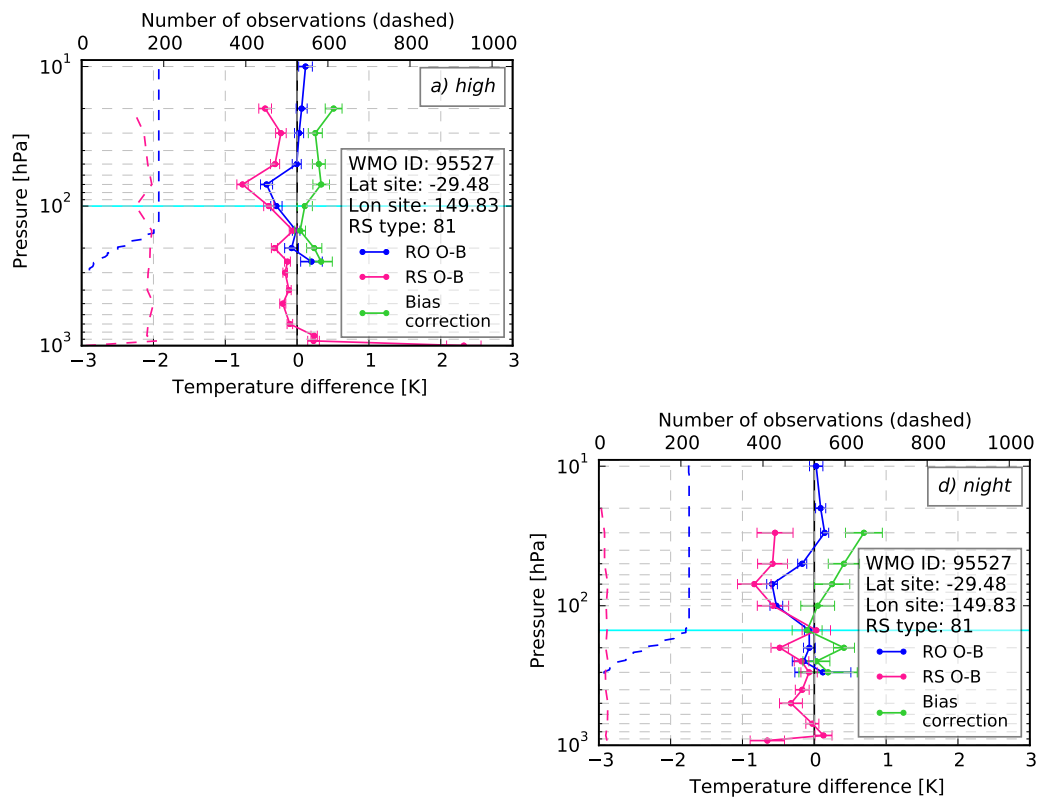
**Figure 1.737:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.738 WMO ID 94998



**Figure 1.738:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

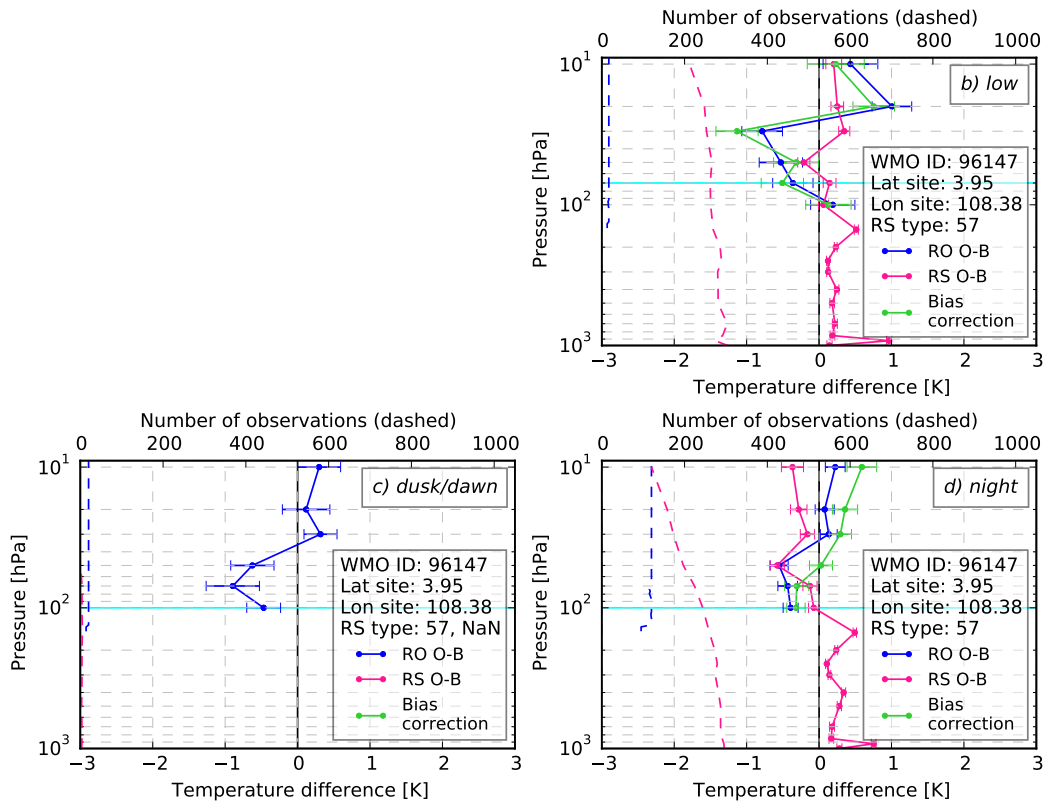
### 1.739 WMO ID 95527



**Figure 1.739:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

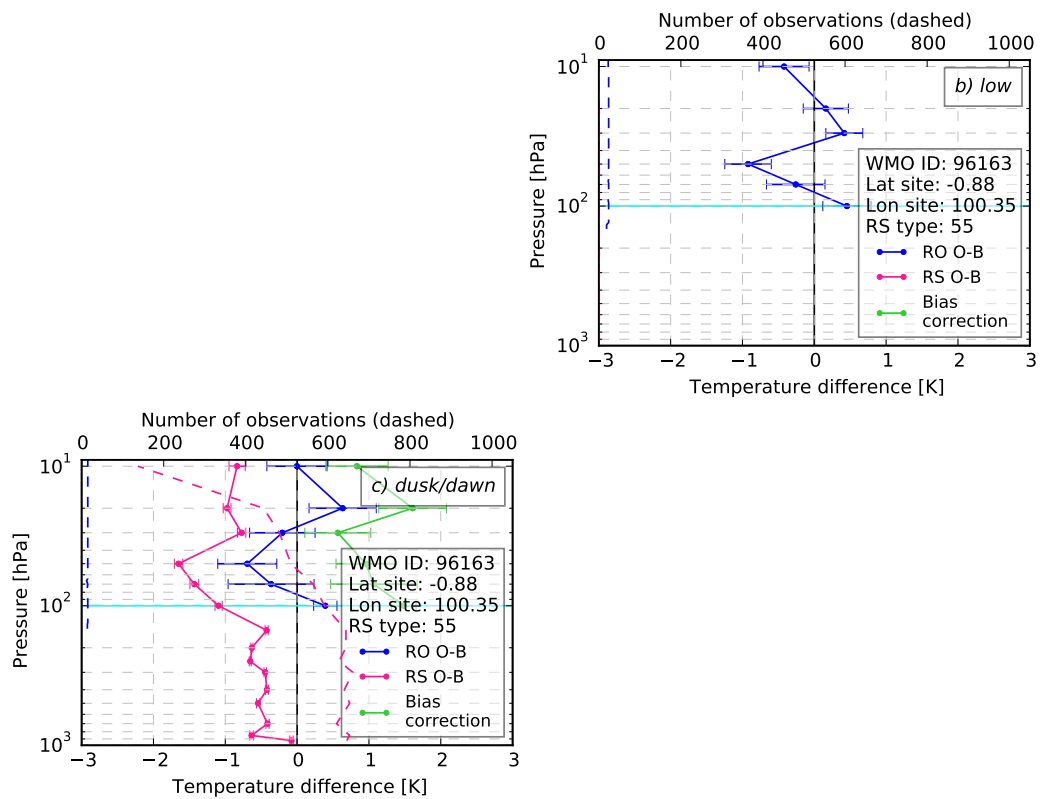


### 1.740 WMO ID 96147



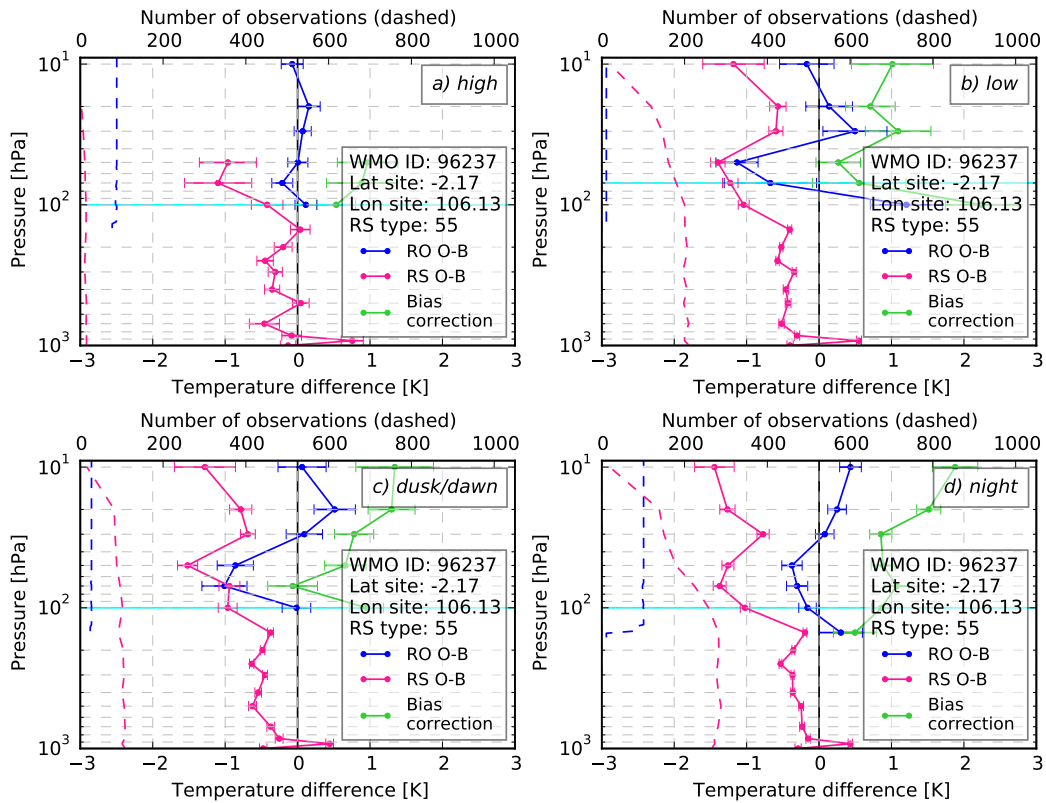
**Figure 1.740:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.741 WMO ID 96163



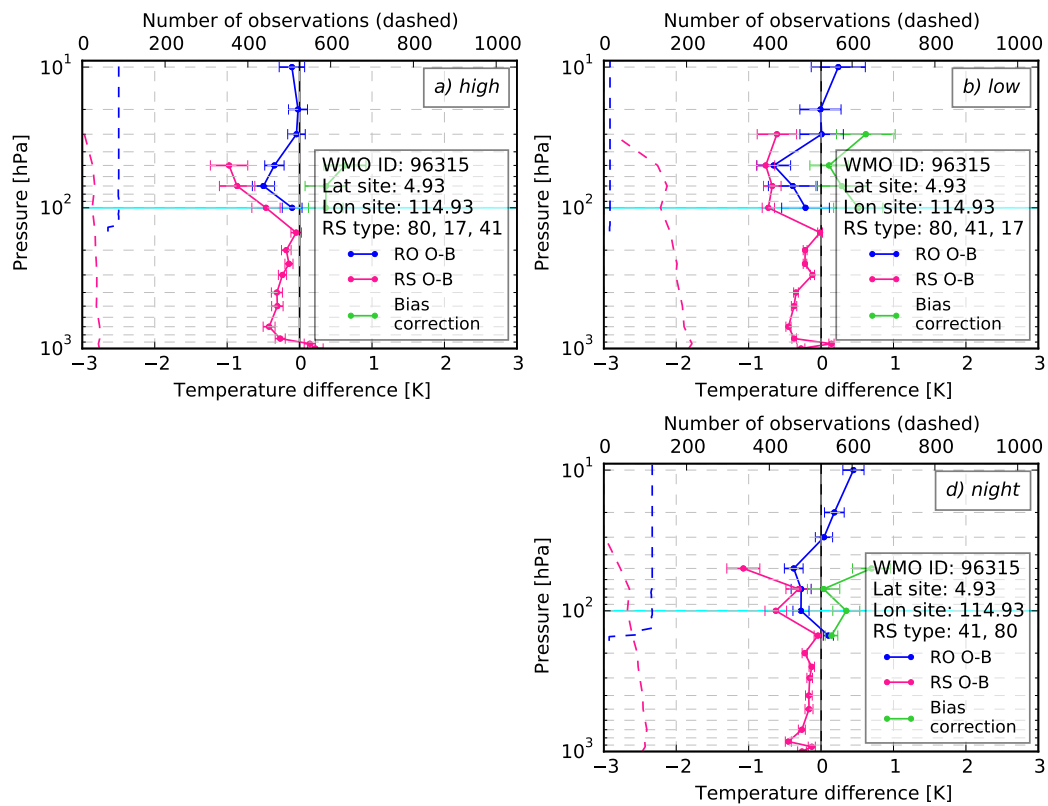
**Figure 1.741:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.742 WMO ID 96237



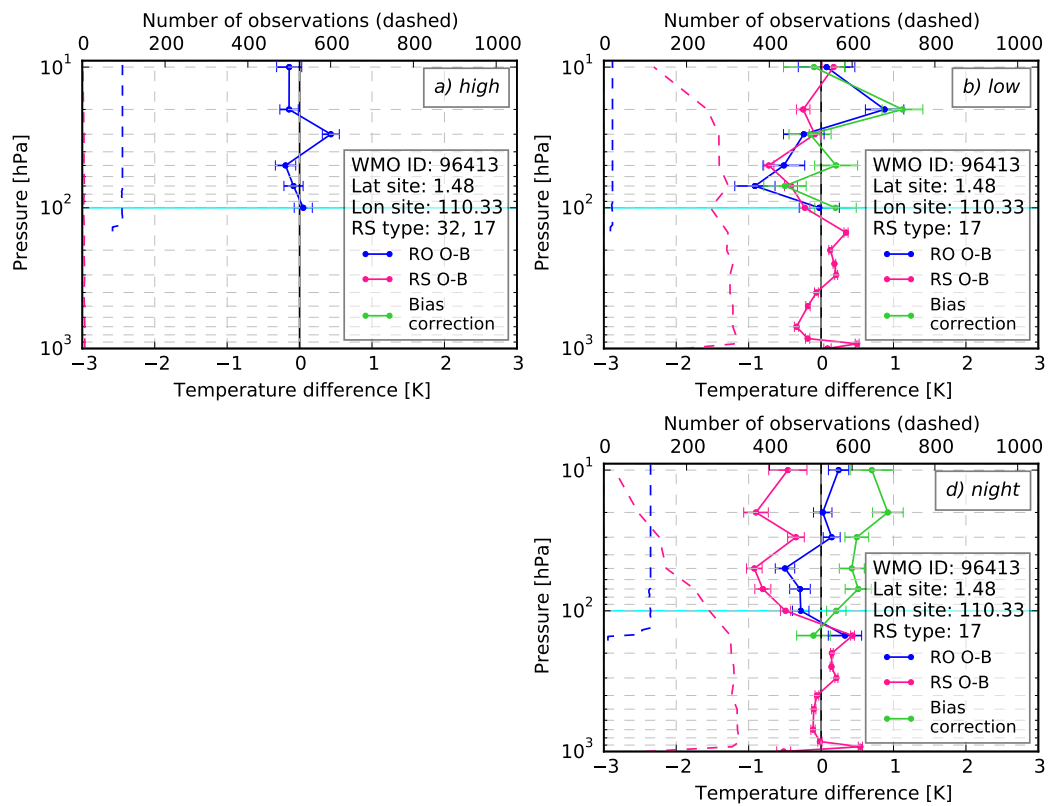
**Figure 1.742:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.743 WMO ID 96315



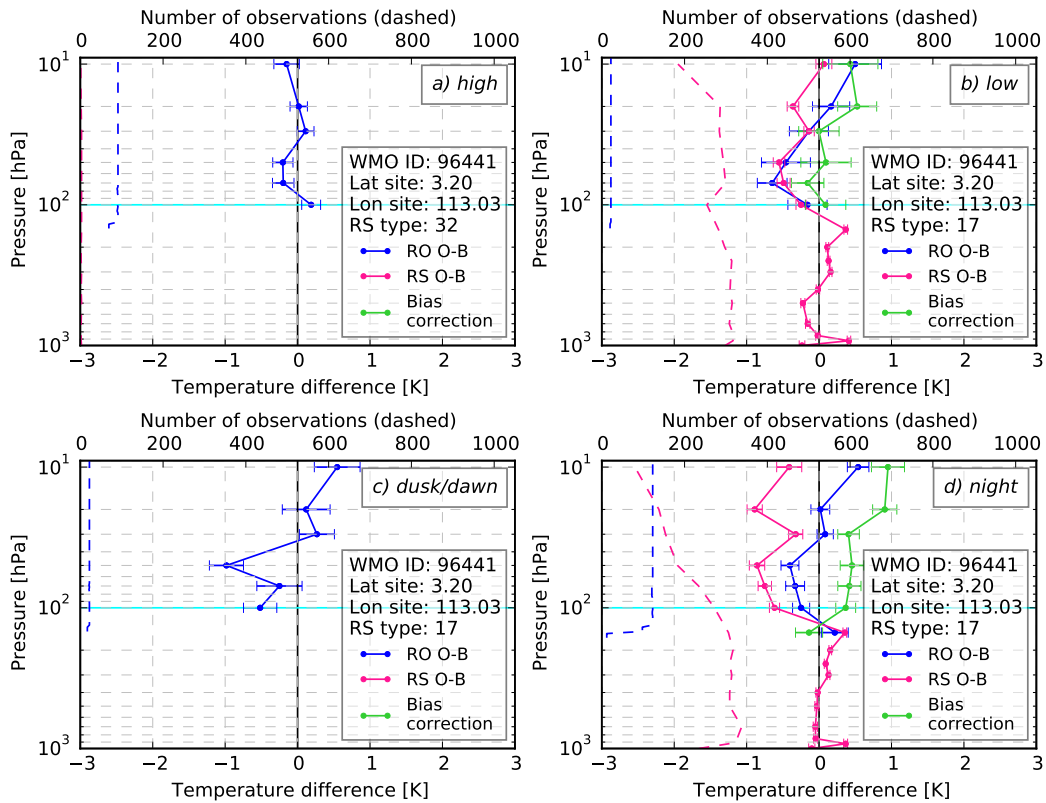
**Figure 1.743:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.744 WMO ID 96413



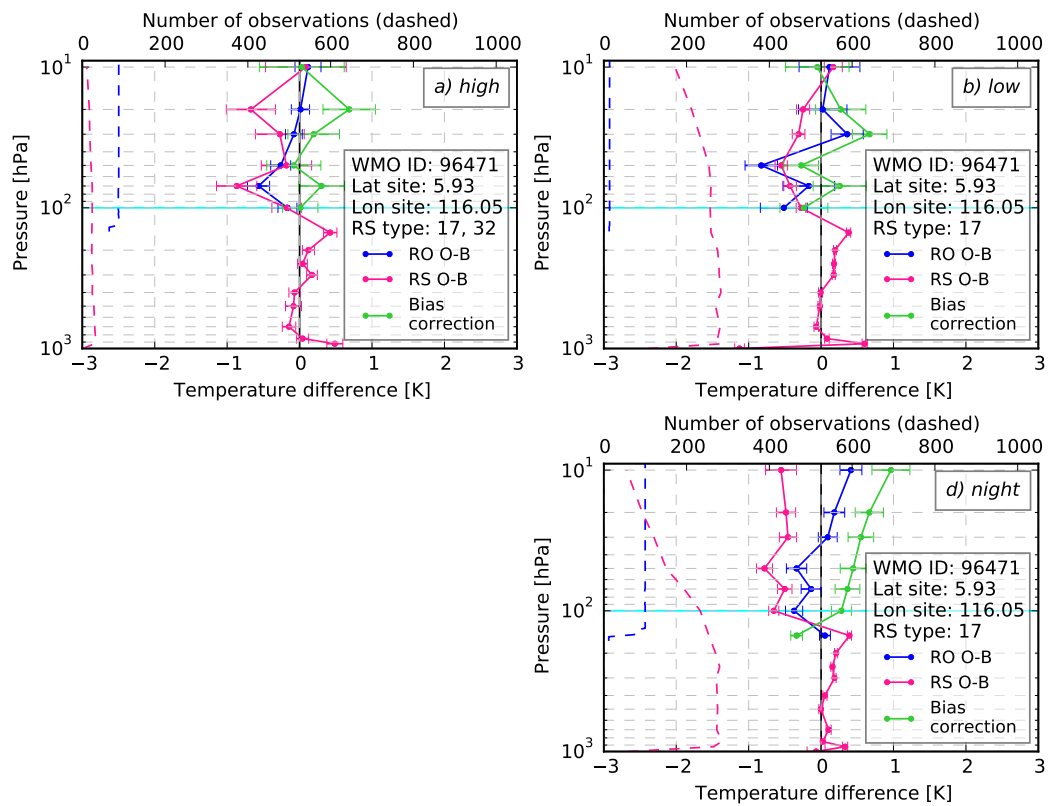
**Figure 1.744:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.745 WMO ID 96441



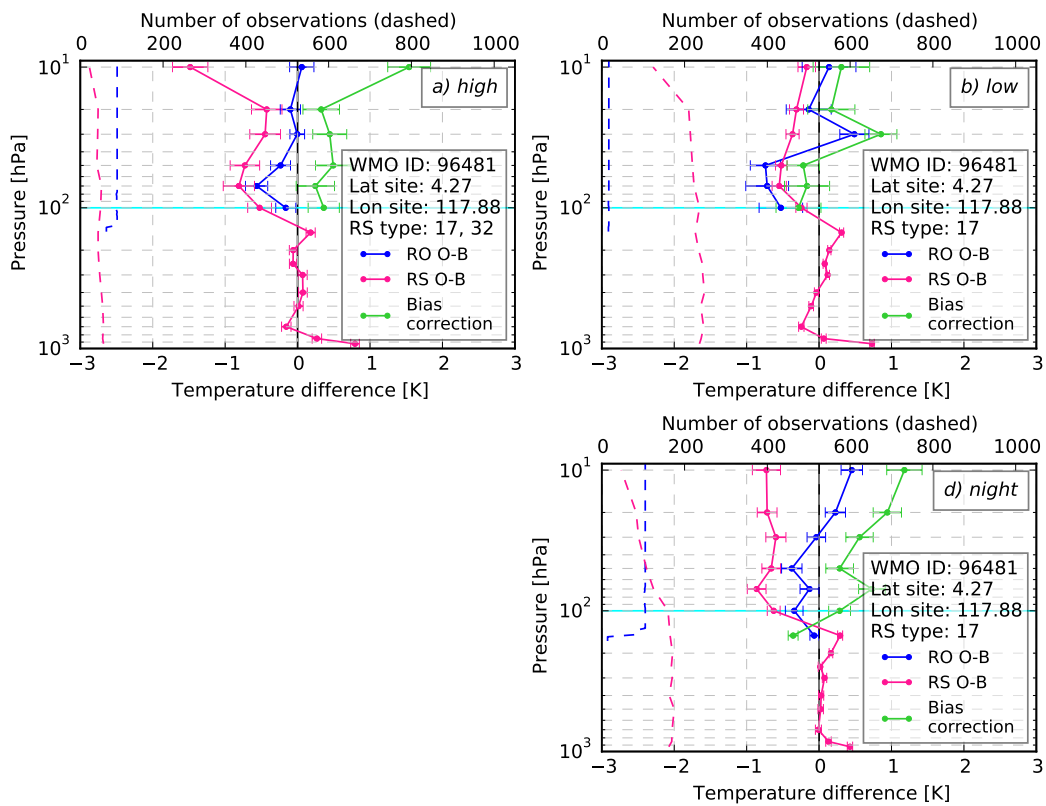
**Figure 1.745:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.746 WMO ID 96471



**Figure 1.746:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

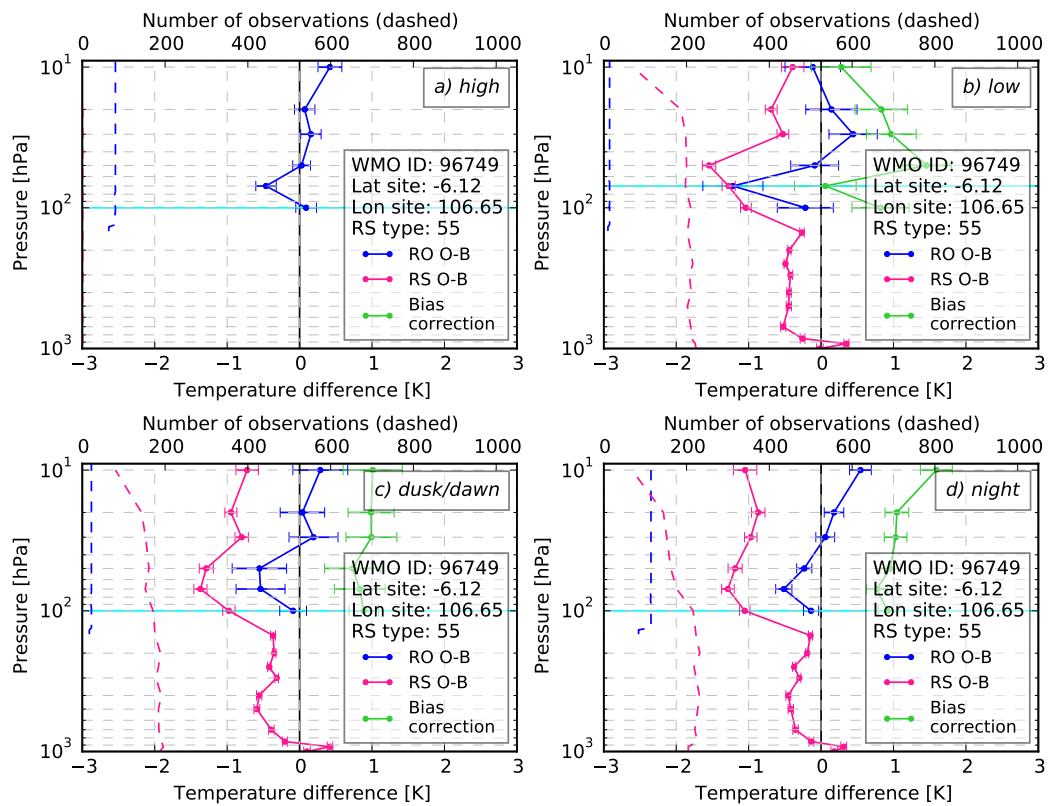
### 1.747 WMO ID 96481



**Figure 1.747:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

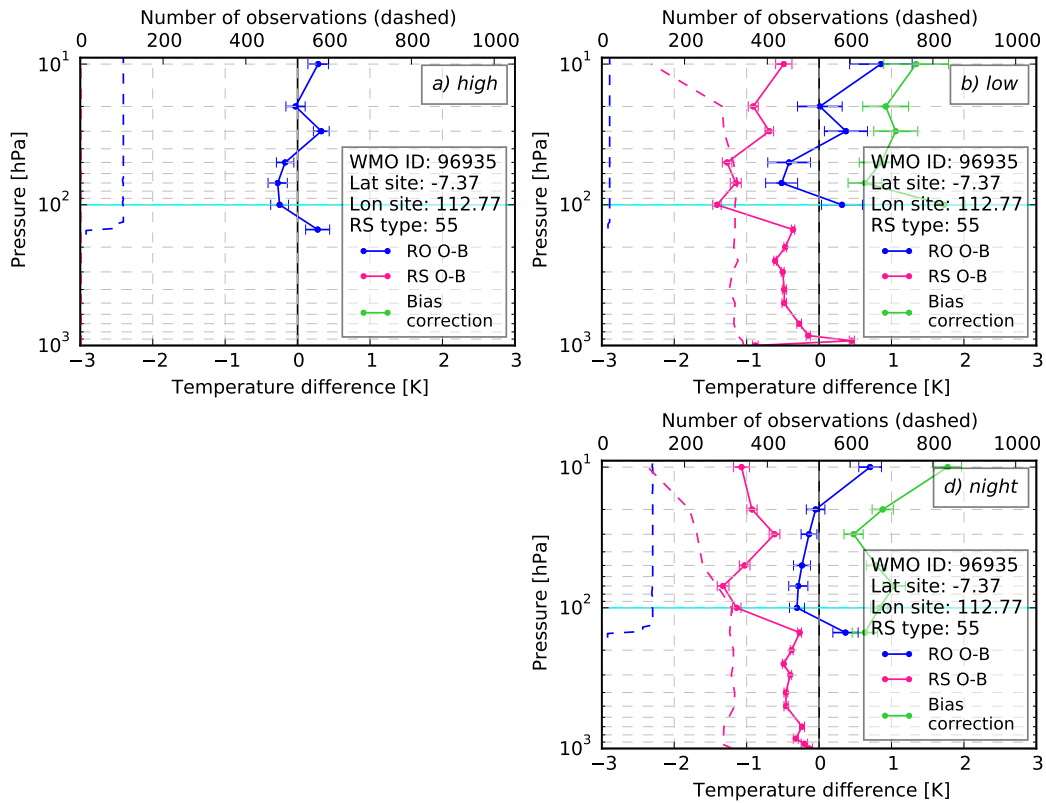


### 1.748 WMO ID 96749



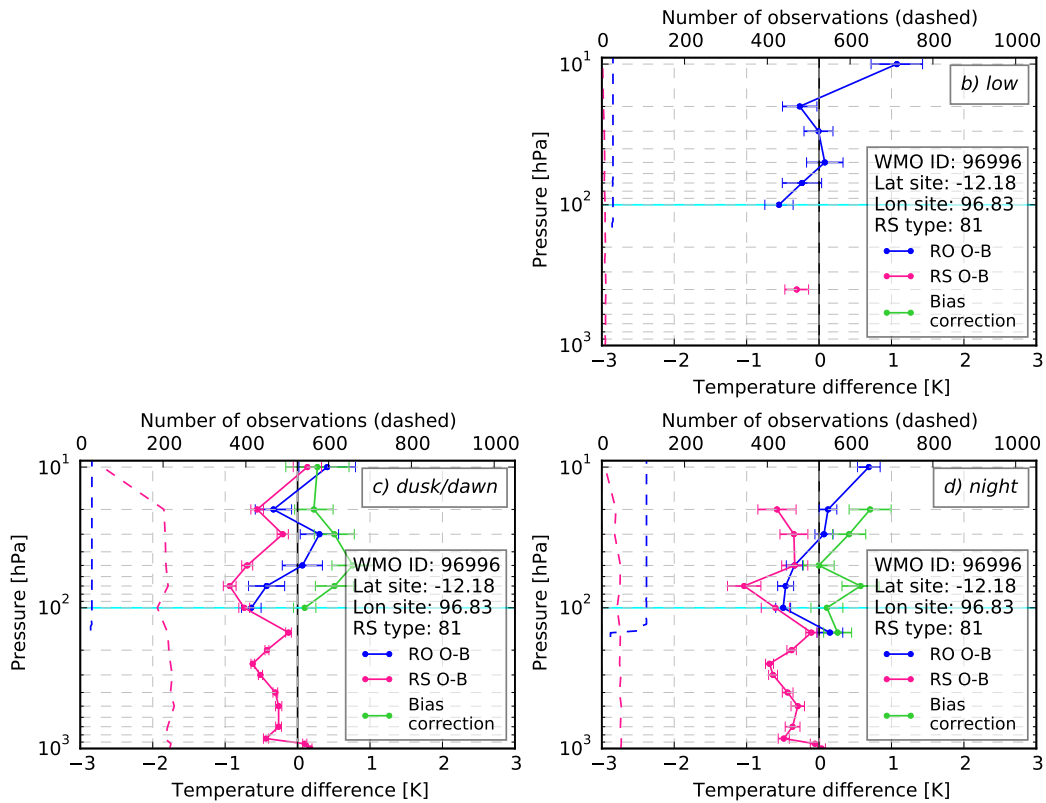
**Figure 1.748:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.749 WMO ID 96935



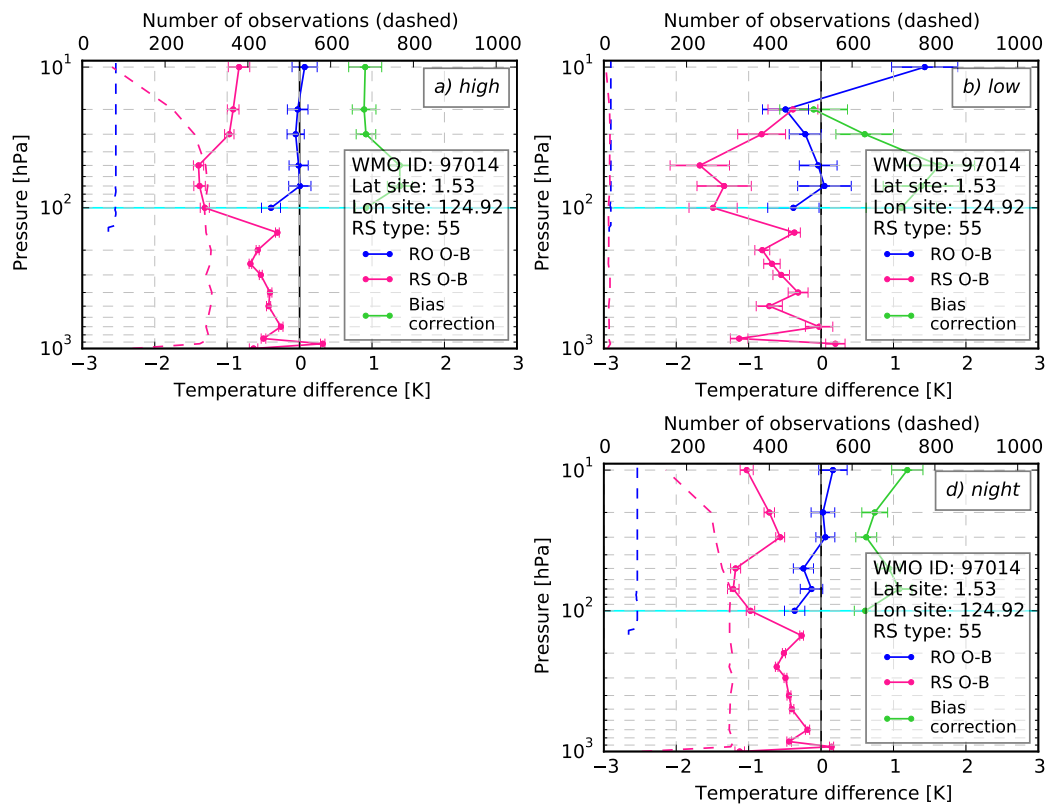
**Figure 1.749:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.750 WMO ID 96996



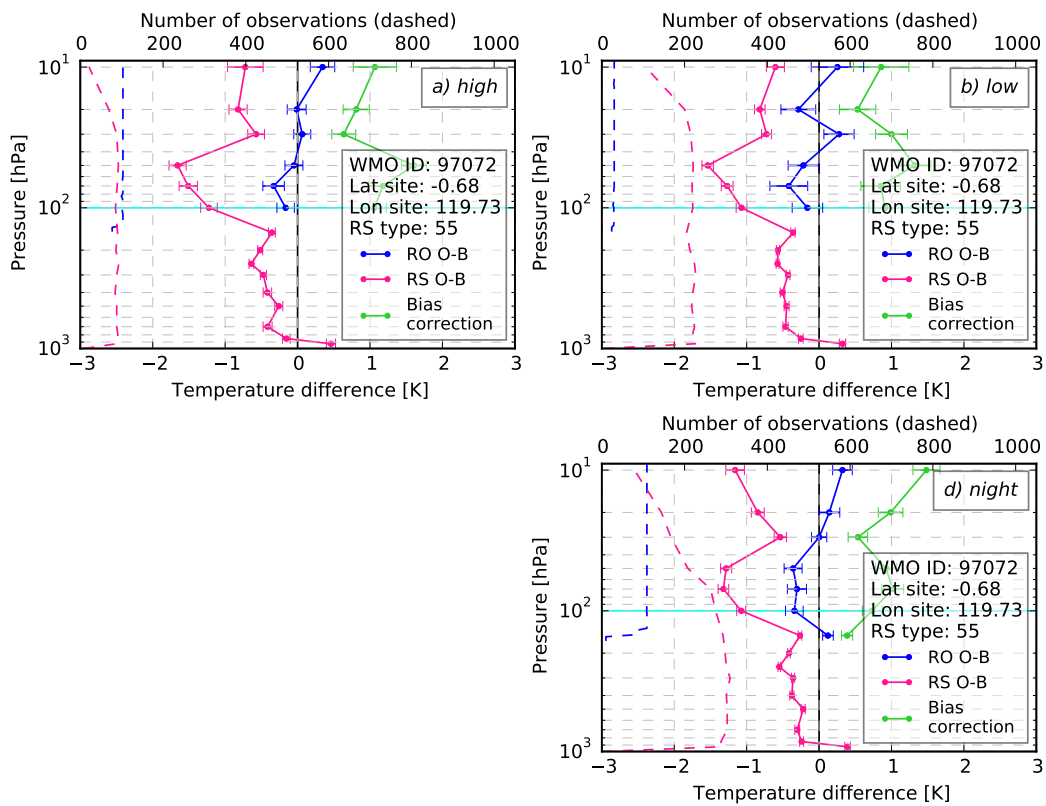
**Figure 1.750:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.751 WMO ID 97014



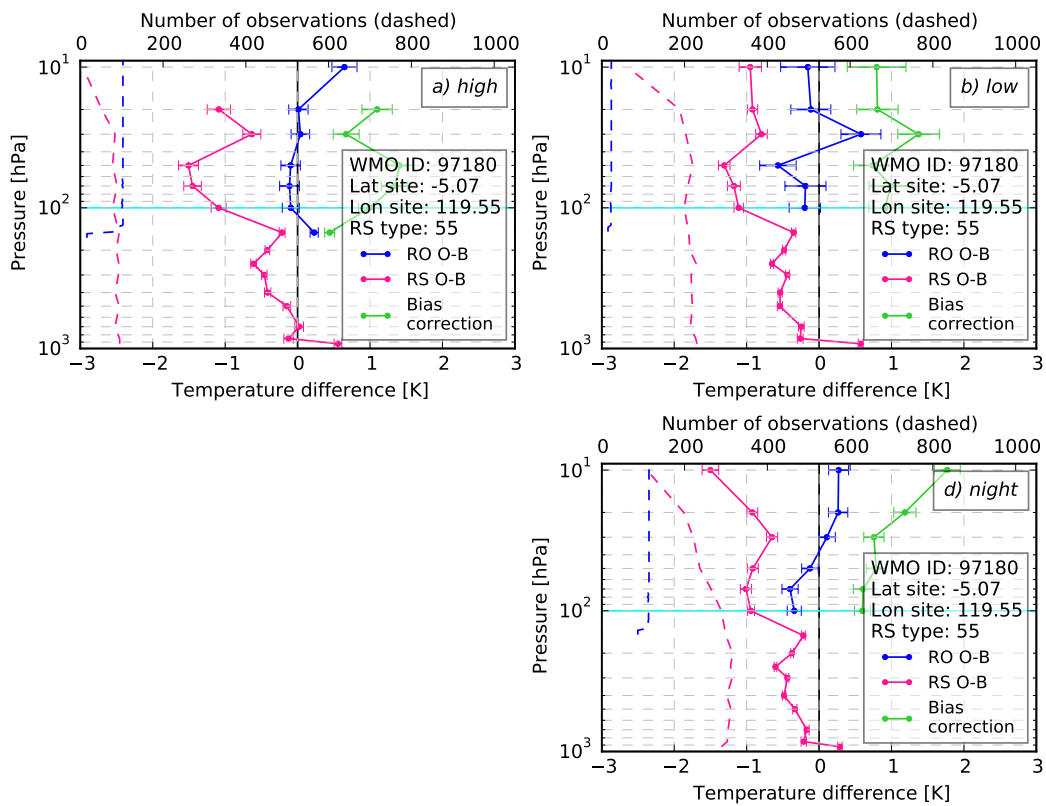
**Figure 1.751:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.752 WMO ID 97072



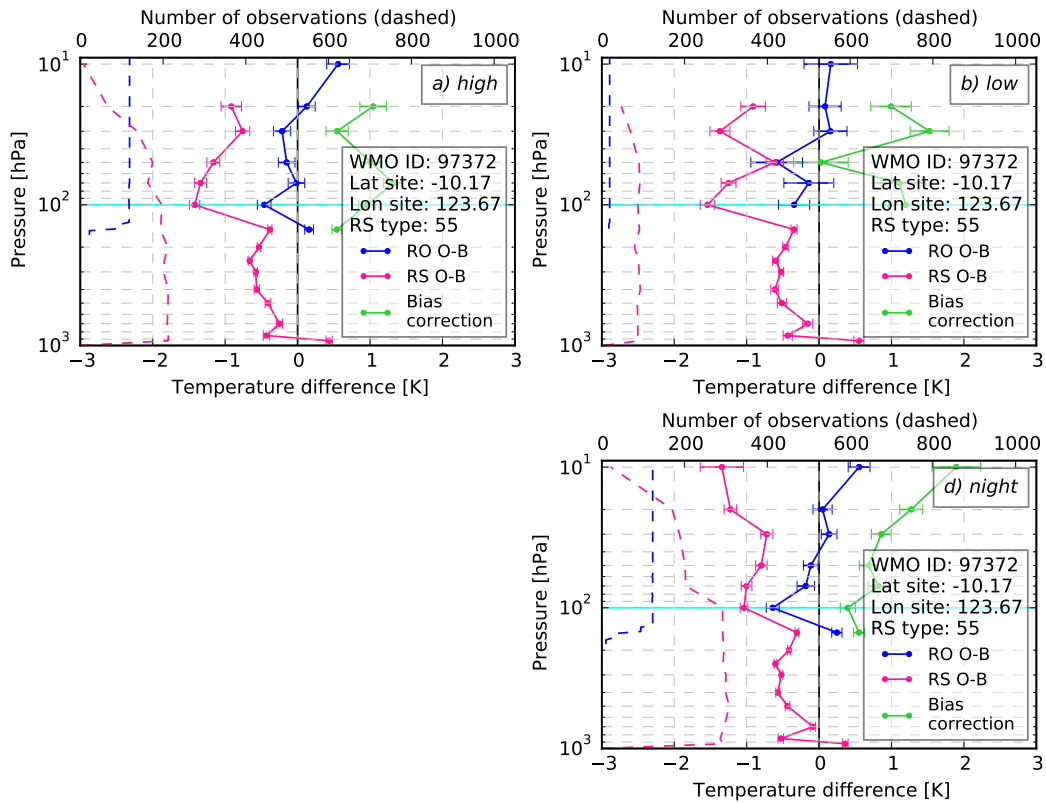
**Figure 1.752:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.753 WMO ID 97180



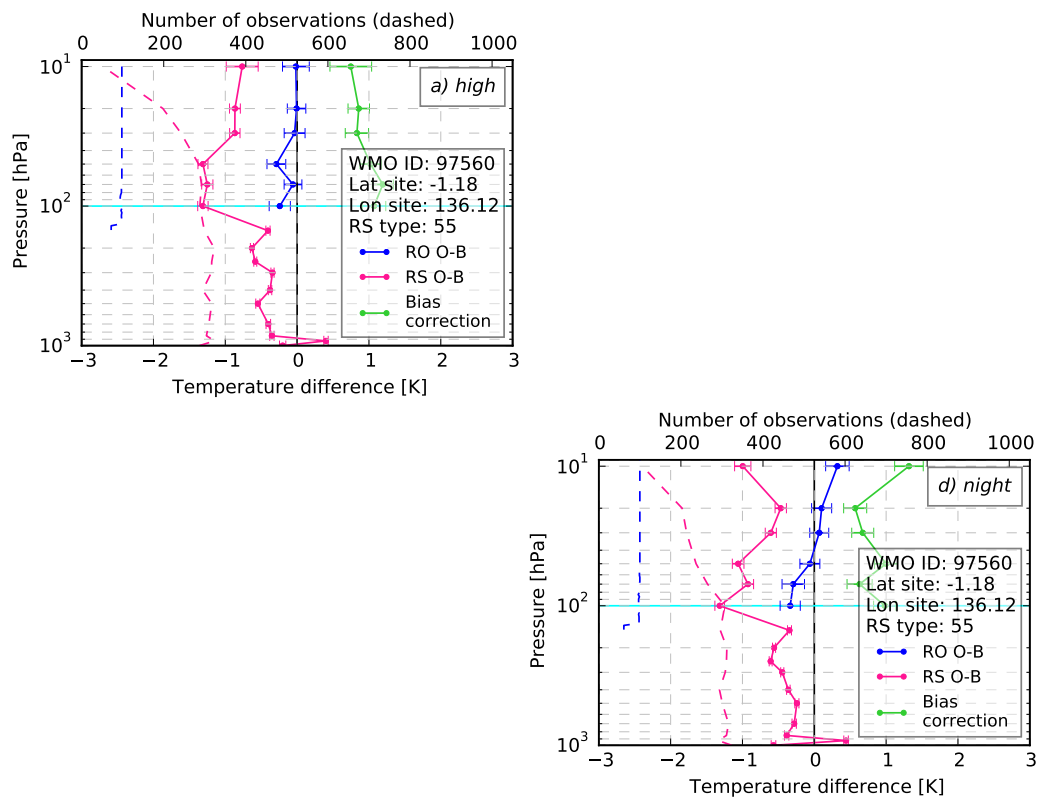
**Figure 1.753:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.754 WMO ID 97372



**Figure 1.754:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

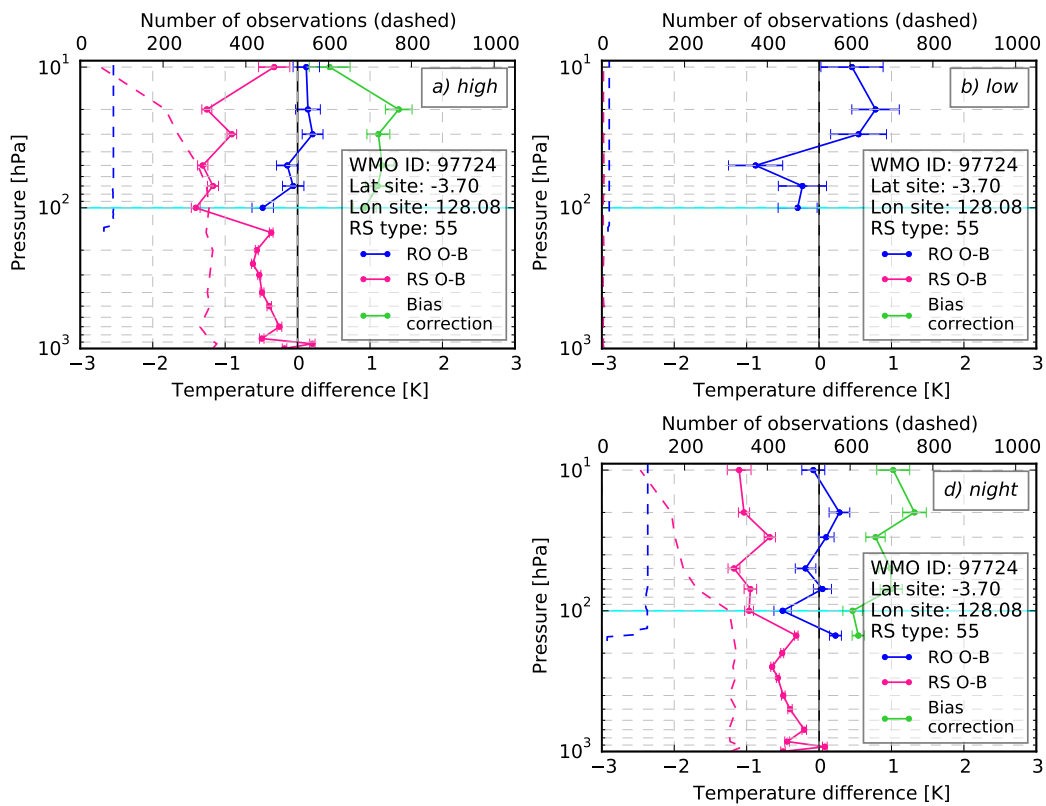
### 1.755 WMO ID 97560



**Figure 1.755:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

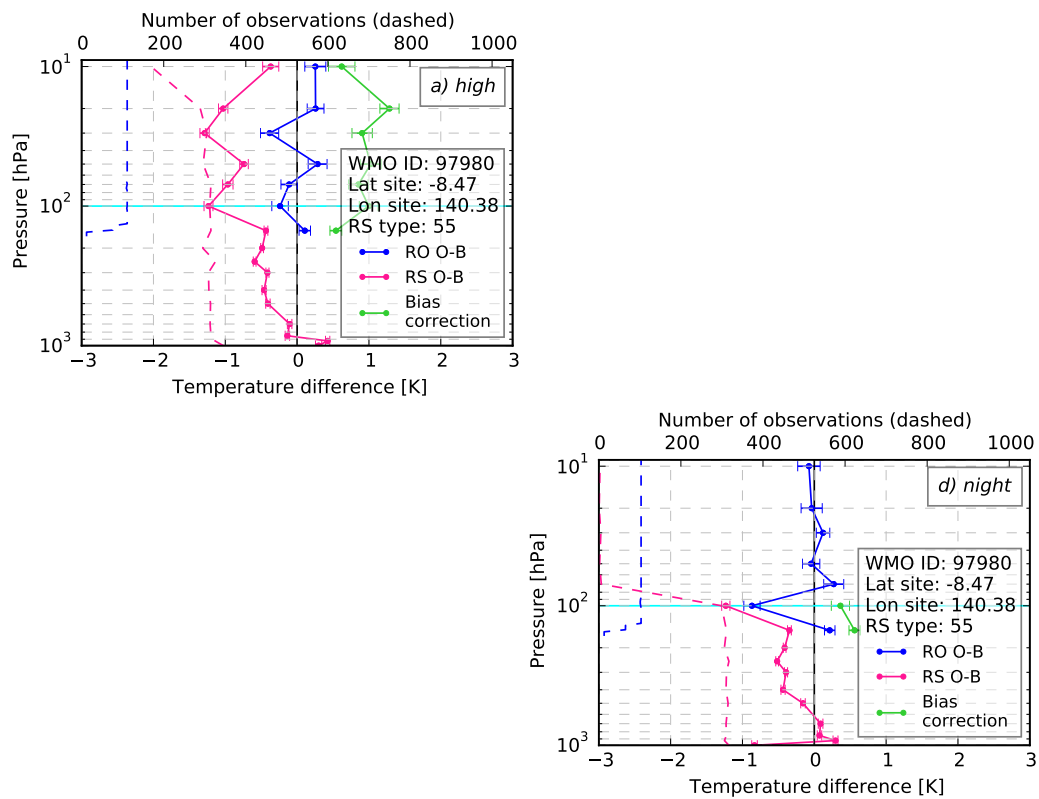


### 1.756 WMO ID 97724



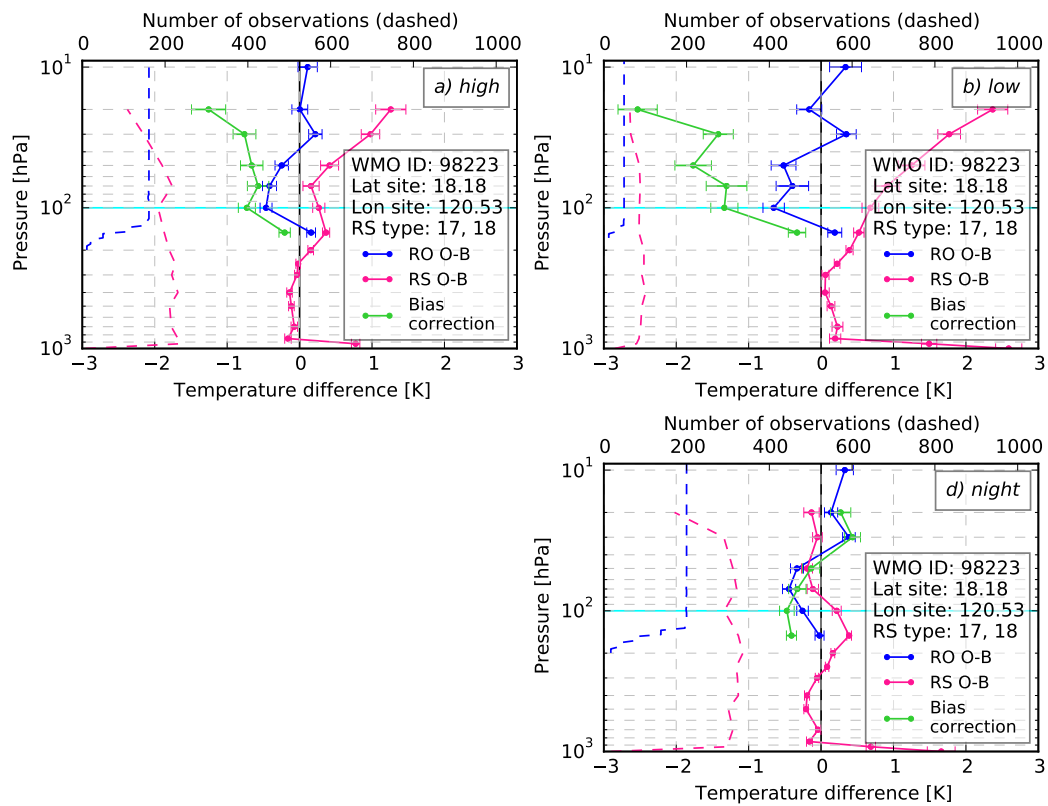
**Figure 1.756:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.757 WMO ID 97980



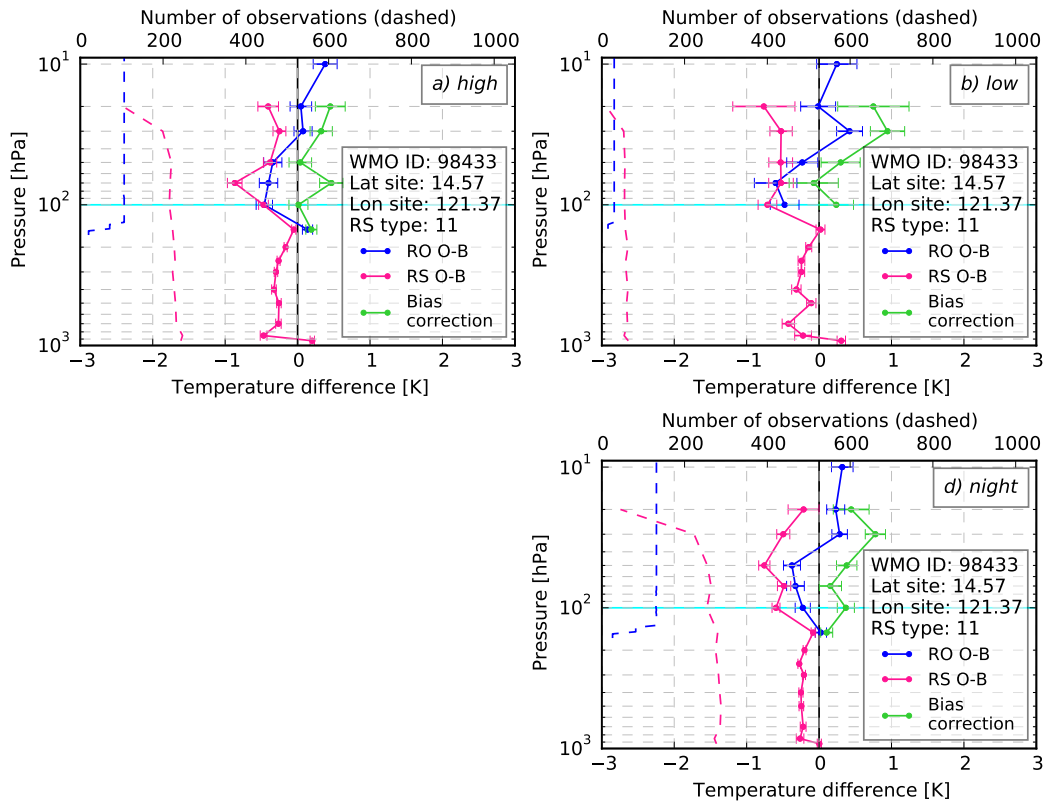
**Figure 1.757:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

### 1.758 WMO ID 98223



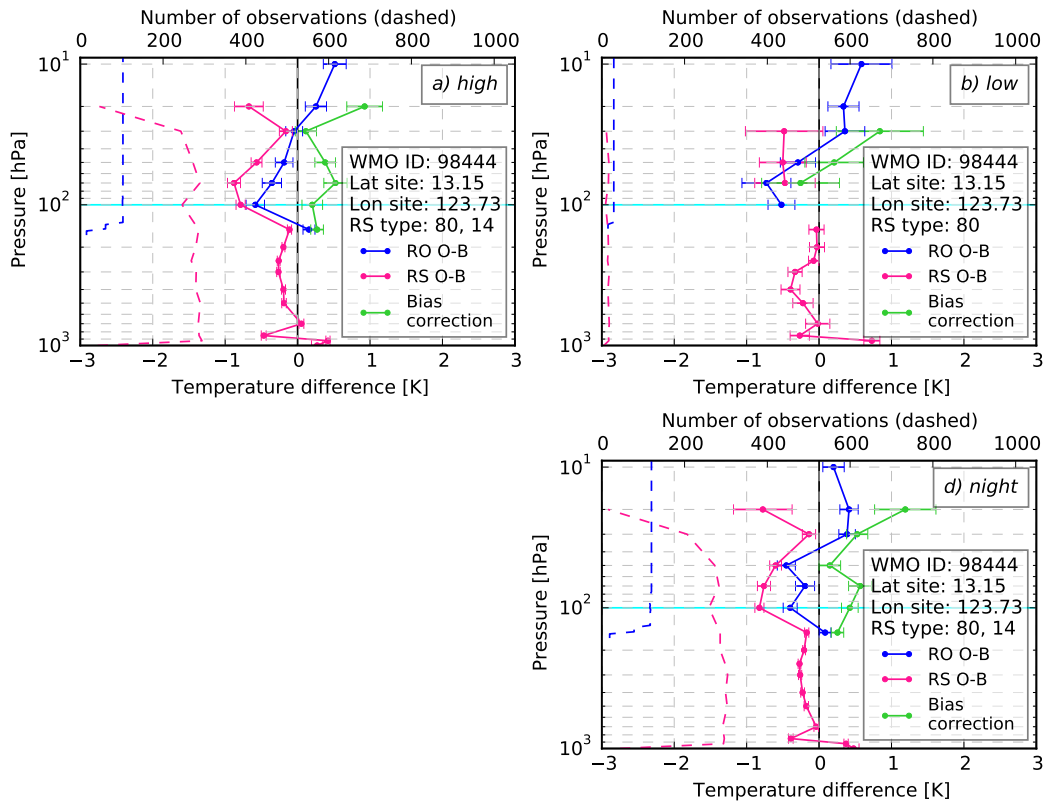
**Figure 1.758:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.759 WMO ID 98433



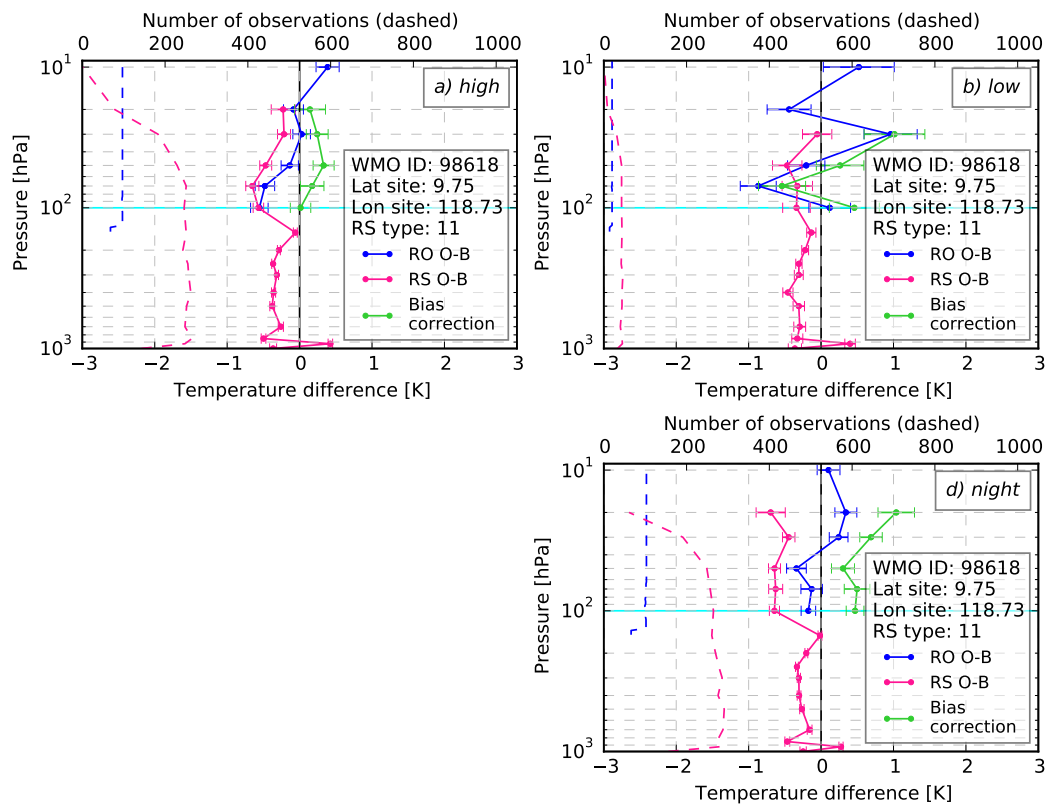
**Figure 1.759:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.760 WMO ID 98444



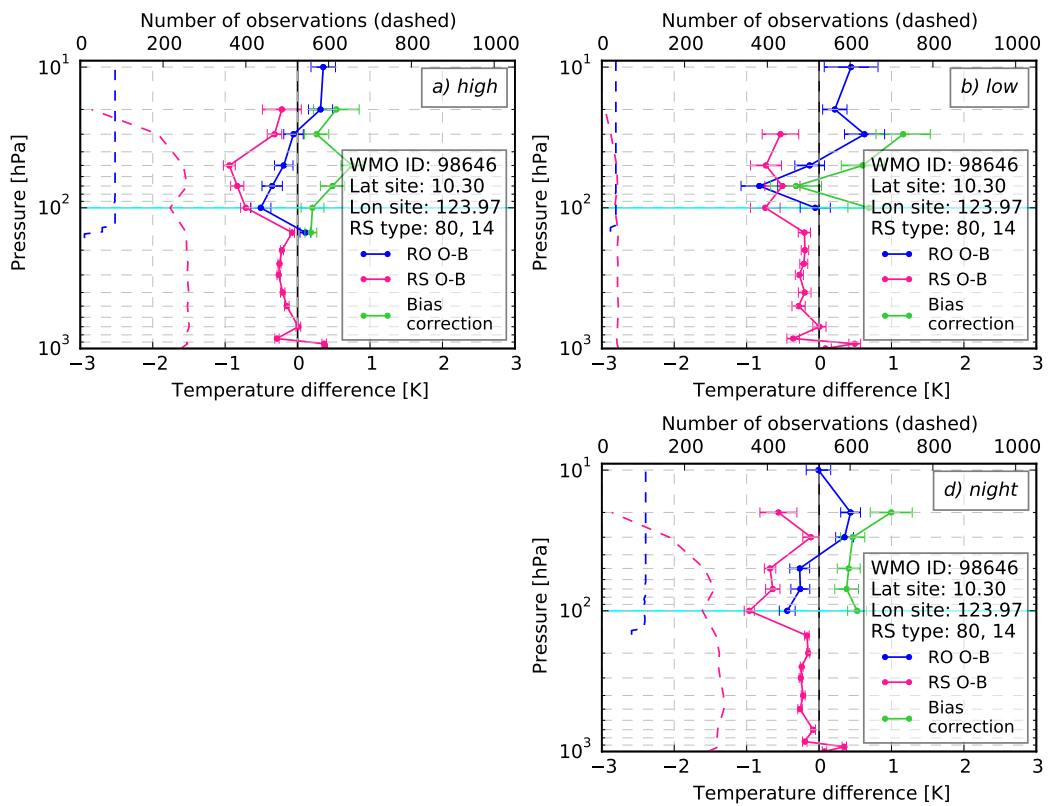
**Figure 1.760:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

## 1.761 WMO ID 98618



**Figure 1.761:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95% of the RO profiles are included in the statistics.

### 1.762 WMO ID 98646



**Figure 1.762:** RO departures (RO O-Bs), RS departures (RS O-Bs) and estimated bias correction (RO O-B minus RS O-B). The error bars represent the standard errors. The horizontal cyan line gives the first pressure level where at least 95 % of the RO profiles are included in the statistics.

## A Radiosonde types

**Table A.1:** Extract of the radiosonde types used for TEMP reports submitted to the GTS in 2014 (see World Meteorological Organization [2]). Code 90 that is specified as “unknown, not specified” actually includes three more Russian RS types, namely I-2012, MRZ-3MK, AK2m (Bruce Ingleby, personal communication).

Number	RS type	Produced in
9	No radiosonde - system unknown or not specified	
10	Sippican LMS5	USA
11	Sippican LMS6	USA
14	Vaisala RS92/DigiCORA MW41	Finland
15	PAZA-12M/Radiotheodolite-UL	Ukraine
16	PAZA-22/AVK-1	Ukraine
17	Graw DFM-09	Germany
18	Graw DFM-06	Germany
21	RSG-20A and Jin Yang 1524LA	Korea
22	Meisei RS-11G GPS	Japan
26	Meteolabor SRS-C34/Argus 37	Switzerland
27	AVK-MRZ	Russia
28	AVK -AK2-02	Russia
29	MARL-A and Vektor-M -AK2-02	Russia
30	Meisei RS-06G	Japan
31	Taiyuan GTS1-1/GFE(L)	China
32	Shanghai GTS1-1/GFE(L)	China
33	Nanjing GTS1-2/GFE(L)	China
41	Vaisala RS41 DigiCORA MW41	Finland
49	VIZ MARK II	USA
51	VIZ-B2	USA
52	Vaisala RS92-NGP/Internet IMS-2000	Finland/USA
55	Meisei RS-01G	Japan
57	Modem M2K2-DC	France
58	AVK-BAR	Russia
68	AVK-RZM-2	Russia
69	MARL-A or Vektor-M-RZM-2	Russia
71	Vaisala RS90/Loran/Digicora I, II or Marwin	Finland
75	AVK-MRZ-ARMA	Russia
77	Modem GPSsonde M10	France
78	Vaisala RS90/Digicora III	Finland
79	Vaisala RS92/Digicora I, II or Marwin	Finland
80	Vaisala RS92/Digicora III	Finland
81	Vaisala RS92/Autosonde	Finland
82	Lockheed Martin LMS-6	USA
83	Vaisala RS92-D/Internet IMS 1500	Finland/USA
87	Sippican MARK IIA	USA
88	MARL-A or Vektor-M-MRZ	Russia
89	MARL-A or Vektor-M-BAR	Russia
90	Radiosonde unknown/not specified	
99	Internet	South Africa



## Bibliography

- [1] Tradowsky, J. S. (2015). Characterisation of radiosonde temperature biases and errors using radio occultation measurements. ROM SAF Visiting Scientist report 26, Radio Occultation Meteorology Satellite Application Facility. available at [http://www.romsaf.org/visiting\\_scientist.php#y2015](http://www.romsaf.org/visiting_scientist.php#y2015).
- [2] World Meteorological Organization (2011). Manual on Codes, International Codes, volume I.2.