

ECMWF Conventional Observation Blacklist Proposal: 2019080100

*This paper has not been published
and has only a very limited circulation.*

*Permission to quote from it should be
obtained from the ECMWF*

European Centre for Medium-Range Weather Forecasts
Europäisches Zentrum für mittelfristige Wettervorhersage
Centre européen pour les prévisions météorologiques à moyen terme

1 Table of Contents

1	Table of Contents.....	2
2	Blacklists.....	4
2.1	SYNOP.....	4
2.1.1	Add.....	4
2.1.2	Remove.....	5
2.2	DRIBU.....	7
2.2.1	Add.....	7
2.2.2	Remove.....	8
2.3	SHIP.....	8
2.3.1	Add.....	8
2.3.2	Remove.....	10
2.4	METAR.....	11
2.4.1	Add.....	11
2.4.2	Remove.....	11
2.5	TEMP.....	11
2.5.1	Add.....	11
2.5.2	Remove.....	11
2.6	PILOT.....	12
2.6.1	Add.....	12
2.6.2	Remove.....	12
2.7	AIREP.....	12
2.7.1	Add.....	12
2.7.2	Remove.....	12
2.8	AMDAR.....	15
2.8.1	Add.....	15
2.8.2	Remove.....	15
2.9	ACARS.....	17
2.9.1	Add.....	17
2.9.2	Remove.....	17
3	Whitelists.....	18
3.1	PROFILER.....	18

3.1.1 Add.....	18
3.1.2 Remove.....	18
3.2 TEMP.....	18
3.2.1 Add.....	18
3.2.2 Remove.....	18
3.3 PILOT.....	18
3.3.1 Add.....	18
3.3.2 Remove.....	19
3.4 SYNOP.....	19
3.4.1 Add.....	19
3.4.2 Remove.....	19

2 Blacklists

2.1 SYNOP

2.1.1 Add

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
40633	Tikrit	Iraq	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019071900	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
42104	Nahan	India (Stations North Of Latitude 20~N)	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019072000	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
42104	Nahan	India (Stations North Of Latitude 20~N)	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019070700	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
42705	Purulia	India (Stations North Of Latitude 20~N)	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019072100	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
42792	Sundargarh	India (Stations North Of Latitude 20~N)	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019071900	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
42900	Contai	India (Stations North Of Latitude 20~N)	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019072100	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
42969	Angul	India (Stations North Of Latitude 20~N)	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019072000	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
43005	T.B.I.A	India (Stations South Of Latitude 20~N)	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019071300	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
43193	Vengurla	India (Stations South Of Latitude 20~N)	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019071300	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
43382	Nancowry	India (Stations South Of Latitude 20~N)	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019071900	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
53646	Yulin	China	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019071300	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
53646	Yulin	China	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019070800	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
67261	Tete	Mozambique	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019072000	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
76122	Nueva Casas Grandes, Chih.	Mexico	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019071900	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
76122	Nueva Casas Grandes, Chih.	Mexico	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019070700	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
83339	Caetite	Brazil	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019071800	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
83942	Caxias Do Sul	Brazil	Surface pressure (Pa)	Add to blacklist		10	10	1=>SYNOP(Manual Land SYNOP)		2019071700	Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)

2.1.2 Remove

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
02462	Uppsala University	Sweden	Surface pressure (Pa)	Remove from blacklist				3=>SYNOP(Automatic Land SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
16239	Roma/Ciampino	Italy	Surface pressure (Pa)	Remove from blacklist				9=>SYNOP(Abbreviated SYNOP)	2019070900		Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
24588	Yurty	Russian Federation	Surface pressure (Pa)	Remove from blacklist				9=>SYNOP(Abbreviated SYNOP)	2019070900		Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
40655	Ainaltamer	Iraq	Surface pressure (Pa)	Remove from blacklist				9=>SYNOP(Abbreviated SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
40655	Ainaltamer	Iraq	All parameters	Remove from blacklist				1=>SYNOP(Manual Land SYNOP)	2019072400				Multi Centre Comparision(see page 4)	Maps view(see page 4)
47022	Pungsan	Democratic People'S Republic Of Korea	Surface pressure (Pa)	Remove from blacklist				9=>SYNOP(Abbreviated SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
48838	Mong Cai	Viet Nam	Surface pressure (Pa)	Remove from blacklist				9=>SYNOP(Abbreviated SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparision(see page 4)	Maps view(see page 4)
51053	Kaba He	China	All parameters	Remove from blacklist				1=>SYNOP(Manual Land SYNOP)	2019072400				Multi Centre Comparision(see page 4)	Maps view(see page 4)

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparison	Position
59254	Guiping	China	Surface pressure (Pa)	Remove from blacklist				9=>SYNOP(Abbreviated SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)
60540	El-Kheiter	Algeria	Surface pressure (Pa)	Remove from blacklist				9=>SYNOP(Abbreviated SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)
68030	Pandamatenga	Botswana	All parameters	Remove from blacklist				3=>SYNOP(Automatic Land SYNOP)	2019072400				Multi Centre Comparison(see page 4)	Maps view(see page 4)
68268	Warmbad Towoomba	South Africa	Surface pressure (Pa)	Remove from blacklist				3=>SYNOP(Automatic Land SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)
68549	Wepener	South Africa	Surface pressure (Pa)	Remove from blacklist				3=>SYNOP(Automatic Land SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)
71872	Svartevaeg, Nu	Canada	All parameters	Remove from blacklist				1=>SYNOP(Manual Land SYNOP)	2019072400				Multi Centre Comparison(see page 4)	Maps view(see page 4)
72327	Nashville/ Metropolitan, Tn.	United States (The)	Surface pressure (Pa)	Remove from blacklist				9=>SYNOP(Abbreviated SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)
72494	San Francisco/ Int., Ca.	United States (The)	Surface pressure (Pa)	Remove from blacklist				9=>SYNOP(Abbreviated SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)
76683	Tlaxcala, Tlax.	Mexico	Surface pressure (Pa)	Remove from blacklist				9=>SYNOP(Abbreviated SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)
84474	Juanjui	Peru	Surface pressure (Pa)	Remove from blacklist				9=>SYNOP(Abbreviated SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)
91682	Sigatoka	Fiji	All parameters	Remove from blacklist				3=>SYNOP(Automatic Land SYNOP)	2019072400				Multi Centre Comparison(see page 4)	Maps view(see page 4)
98134	Basco Radar	Philippines	Surface pressure (Pa)	Remove from blacklist				9=>SYNOP(Abbreviated SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)

2.2 DRIBU

2.2.1 Add

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparison	Position
23093			Wind Vector difference (m/s)	Add to blacklist		10	10	21=>DRIBU(DRIBU)		2019072000	Time series plot(see page 4)			
1500001			Wind Vector difference (m/s)	Add to blacklist		10	10	188=>DRIBU(MOORED BUOYS)		2019072100	Time series plot(see page 4)			
1500001			Wind Vector difference (m/s)	Add to blacklist		10	10	188=>DRIBU(MOORED BUOYS)		2019070800	Time series plot(see page 4)			
1500002			Wind Vector difference (m/s)	Add to blacklist		10	10	188=>DRIBU(MOORED BUOYS)		2019072100	Time series plot(see page 4)			
1500002			Wind Vector difference (m/s)	Add to blacklist		10	10	188=>DRIBU(MOORED BUOYS)		2019070700	Time series plot(see page 4)			
1601573			Surface pressure (Pa)	Add to blacklist		10	10	189=>DRIBU(DRIFTING BUOYS)		2019072100	Time series plot(see page 4)			
1601573			Surface pressure (Pa)	Add to blacklist		10	10	189=>DRIBU(DRIFTING BUOYS)		2019070800	Time series plot(see page 4)			
1601579			Surface pressure (Pa)	Add to blacklist		10	10	189=>DRIBU(DRIFTING BUOYS)		2019071300	Time series plot(see page 4)			
1701579			Surface pressure (Pa)	Add to blacklist		10	10	189=>DRIBU(DRIFTING BUOYS)		2019071600	Time series plot(see page 4)			
2200183			Surface pressure (Pa)	Add to blacklist		10	10	188=>DRIBU(MOORED BUOYS)		2019071400	Time series plot(see page 4)			
2300007			Wind Vector difference (m/s)	Add to blacklist		10	10	188=>DRIBU(MOORED BUOYS)		2019072100	Time series plot(see page 4)			
2301719			Surface pressure (Pa)	Add to blacklist		10	10	189=>DRIBU(DRIFTING BUOYS)		2019072000	Time series plot(see page 4)			
2301719			Surface pressure (Pa)	Add to blacklist		10	10	189=>DRIBU(DRIFTING BUOYS)		2019070800	Time series plot(see page 4)			
3100231			Wind Vector difference (m/s)	Add to blacklist		10	10	188=>DRIBU(MOORED BUOYS)		2019072000	Time series plot(see page 4)			

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
3100231			Wind Vector difference (m/s)	Add to blacklist		10	10	188=>DRIBU(MOORED BUOYS)		2019070800	Time series plot(see page 4)			
5300056			Wind Vector difference (m/s)	Add to blacklist		10	10	188=>DRIBU(MOORED BUOYS)		2019072100	Time series plot(see page 4)			
5601548			Surface pressure (Pa)	Add to blacklist		10	10	189=>DRIBU(DRIFTING BUOYS)		2019072000	Time series plot(see page 4)			

2.2.2 Remove

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
32320			V10m (m/s)	Remove from blacklist				21=>DRIBU(DRIBU)	2019071600		Time series plot(see page 4)			
32320			U10m (m/s)	Remove from blacklist				21=>DRIBU(DRIBU)	2019071600		Time series plot(see page 4)			
3200320			V10m (m/s)	Remove from blacklist				188=>DRIBU(MOORED BUOYS)	2019071600		Time series plot(see page 4)			
3200320			U10m (m/s)	Remove from blacklist				188=>DRIBU(MOORED BUOYS)	2019071600		Time series plot(see page 4)			
4601633			Surface pressure (Pa)	Remove from blacklist				189=>DRIBU(DRIFTING BUOYS)	2019071600		Time series plot(see page 4)			
4800769			Surface pressure (Pa)	Remove from blacklist				189=>DRIBU(DRIFTING BUOYS)	2019071600		Time series plot(see page 4)			

2.3 SHIP

2.3.1 Add

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
3EMB9			Surface pressure (Pa)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019070800	Time series plot(see page 4)			

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
45169			Surface pressure (Pa)	Add to blacklist		10	10	13=>SHIP(Automatic SHIP)		2019071600	Time series plot(see page 4)			
9HRJ9			Surface pressure (Pa)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019072000	Time series plot(see page 4)			
9V3533			Wind Vector difference (m/s)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019071200	Time series plot(see page 4)			
9V3820			Wind Vector difference (m/s)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019071900	Time series plot(see page 4)			
9V3867			Surface pressure (Pa)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019070700	Time series plot(see page 4)			
AUCE			Surface pressure (Pa)	Add to blacklist		10	10	13=>SHIP(Automatic SHIP)		2019071700	Time series plot(see page 4)			
BPBC			Wind Vector difference (m/s)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019071400	Time series plot(see page 4)			
BPBC			Wind Vector difference (m/s)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019070800	Time series plot(see page 4)			
C6CX3			Surface pressure (Pa)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019072100	Time series plot(see page 4)			
C6DP7			Wind Vector difference (m/s)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019071200	Time series plot(see page 4)			
C6DP7			Wind Vector difference (m/s)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019070800	Time series plot(see page 4)			
C6FW9			Wind Vector difference (m/s)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019071300	Time series plot(see page 4)			
C6SE3			Wind Vector difference (m/s)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019071400	Time series plot(see page 4)			
C6YM7			Surface pressure (Pa)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019072000	Time series plot(see page 4)			
CZ3695			Surface pressure (Pa)	Add to blacklist		10	10	13=>SHIP(Automatic SHIP)		2019071800	Time series plot(see page 4)			
D5QV7			Wind Vector difference (m/s)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019071100	Time series plot(see page 4)			
DCQN			Surface pressure (Pa)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019072100	Time series plot(see page 4)			

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
J8QB8			Surface pressure (Pa)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019072100	Time series plot(see page 4)			
ONFZ			Surface pressure (Pa)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019072100	Time series plot(see page 4)			
VRKZ7			Surface pressure (Pa)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019071500	Time series plot(see page 4)			
VRR44			Wind Vector difference (m/s)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019072100	Time series plot(see page 4)			
VRR14			Surface pressure (Pa)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019070800	Time series plot(see page 4)			
VTFG			Surface pressure (Pa)	Add to blacklist		10	10	13=>SHIP(Automatic SHIP)		2019070900	Time series plot(see page 4)			
VTWS			Surface pressure (Pa)	Add to blacklist		10	10	13=>SHIP(Automatic SHIP)		2019072100	Time series plot(see page 4)			
VWSK			Surface pressure (Pa)	Add to blacklist		10	10	13=>SHIP(Automatic SHIP)		2019072100	Time series plot(see page 4)			
VWSK			Surface pressure (Pa)	Add to blacklist		10	10	13=>SHIP(Automatic SHIP)		2019070800	Time series plot(see page 4)			
ZCDY2			Surface pressure (Pa)	Add to blacklist		10	10	11=>SHIP(SHIP)		2019070700	Time series plot(see page 4)			

2.3.2 Remove

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
C6BH8			Surface pressure (Pa)	Remove from blacklist				13=>SHIP(Automatic SHIP)	2019071600		Time series plot(see page 4)			
TBWUK36			Surface pressure (Pa)	Remove from blacklist				13=>SHIP(Automatic SHIP)	2019071600		Time series plot(see page 4)			
VOLG			V10m (m/s)	Remove from blacklist				13=>SHIP(Automatic SHIP)	2019071600		Time series plot(see page 4)			
VOLG			U10m (m/s)	Remove from blacklist				13=>SHIP(Automatic SHIP)	2019071600		Time series plot(see page 4)			
VRID6			Surface pressure (Pa)	Remove from blacklist				13=>SHIP(Automatic SHIP)	2019071600		Time series plot(see page 4)			

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
WDE8761			Surface pressure (Pa)	Remove from blacklist				13=>SHIP(Automatic SHIP)	2019070900		Time series plot(see page 4)			

2.4 METAR

2.4.1 Add

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
SBSY			Surface pressure (Pa)	Add to blacklist				147=>METAR(Automatic METAR)		2019071600	Time series plot(see page 4)			

2.4.2 Remove

2.5 TEMP

2.5.1 Add

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
36872	Almaty (36872-0)	Kazakhstan	Temperature (k)	Add to blacklist		900	1013	101=>TEMP(Land TEMP)		2019071200	Time series plot(see page 4)	Vertical Profile Plot(see page 4)	Multi Centre Comparison(see page 4)	Maps view(see page 4)

2.5.2 Remove

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
27594	Kazan'(Vyazovye)	Russian Federation	Temperature (k)	Remove from blacklist		0	400	101=>TEMP(Land TEMP)	2019071600		Time series plot(see page 4)	Vertical Profile Plot(see page 4)	Multi Centre Comparison(see page 4)	Maps view(see page 4)

2.6 PILOT

2.6.1 Add

2.6.2 Remove

2.7 AIREP

2.7.1 Add

2.7.2 Remove

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
AAL70			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern AAL.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
AAL70			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern AAL.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
AAL71			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern AAL.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
AAL71			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern AAL.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
ACA833			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern ACA... from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
ACA833			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern ACA... from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
ANZ45			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern ANZ.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparison	Position
ANZ45			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern ANZ.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
BAW98			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern BAW.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
BAW98			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern BAW.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
ICE7K			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern ICE.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
ICE7K			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern ICE.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
KLM641			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern KLM... from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
KLM641			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern KLM... from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
LAN804			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern LAN... from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
LAN804			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern LAN... from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
LOT26			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern LOT.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
LOT26			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern LOT.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
LOT27			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern LOT.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
LOT27			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern LOT.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
QFA16			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern QFA.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
QFA16			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern QFA.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
TMN1			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern TMN. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
TMN1			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern TMN. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
UAL863			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern UAL... from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
UAL863			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern UAL... from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
UAL870			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern UAL... from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
UAL870			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern UAL... from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
VIR9M			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern VIR.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
VIR9M			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern VIR.. from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
WJA1865			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern WJA... from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			
WJA1865			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern WJA... from the blacklist and addition of specific low quality ids.	0	500	142=>AIREP(AIREP)	2019071600		Time series plot(see page 4)			

2.8 AMDAR

2.8.1 Add

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
2H4YR4JA			Temperature (k)	Add to blacklist				146=>AMDAR(WIGOS AMDAR)		2019072000	Time series plot(see page 4)			
2H4YR4JA			Temperature (k)	Add to blacklist				146=>AMDAR(WIGOS AMDAR)		2019071700	Time series plot(see page 4)			
2SPKNBBA			Temperature (k)	Add to blacklist				146=>AMDAR(WIGOS AMDAR)		2019072000	Time series plot(see page 4)			
XZ4IR3JA			Temperature (k)	Add to blacklist				146=>AMDAR(WIGOS AMDAR)		2019071200	Time series plot(see page 4)			

2.8.2 Remove

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
ACA035			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern ACA... from the blacklist and addition of specific low quality ids.	0	500	144=>AMDAR(AMDAR)	2019071600		Time series plot(see page 4)			
ACA035			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern ACA... from the blacklist and addition of specific low quality ids.	0	500	144=>AMDAR(AMDAR)	2019071600		Time series plot(see page 4)			
ANZ45			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern ANZ.. from the blacklist and addition of specific low quality ids.	0	500	144=>AMDAR(AMDAR)	2019071600		Time series plot(see page 4)			
ANZ45			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern ANZ.. from the blacklist and addition of specific low quality ids.	0	500	144=>AMDAR(AMDAR)	2019071600		Time series plot(see page 4)			
ARG1135			Temperature (k)	Remove from blacklist	This requires removal of any existing pattern ARG.... from the blacklist and addition of specific low quality ids.	0	500	144=>AMDAR(AMDAR)	2019071600		Time series plot(see page 4)			
CNCMTS			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern CNC... from the blacklist and addition of specific low quality ids.	0	500	144=>AMDAR(AMDAR)	2019071600		Time series plot(see page 4)			

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
CNCMTS			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern CNC... from the blacklist and addition of specific low quality ids.	0	500	144=>AMDAR(AMDAR)	2019071600		Time series plot(see page 4)			
EVSL3RJA			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern EVS..... from the blacklist and addition of specific low quality ids.	0	500	146=>AMDAR(WIGOS AMDAR)	2019071600		Time series plot(see page 4)			
EVSL3RJA			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern EVS..... from the blacklist and addition of specific low quality ids.	0	500	146=>AMDAR(WIGOS AMDAR)	2019071600		Time series plot(see page 4)			
F2V033ZA			Temperature (k)	Remove from blacklist	This requires removal of any existing pattern F2V..... from the blacklist and addition of specific low quality ids.	0	500	146=>AMDAR(WIGOS AMDAR)	2019071600		Time series plot(see page 4)			
MQUKIEBA			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern MQU..... from the blacklist and addition of specific low quality ids.	0	500	146=>AMDAR(WIGOS AMDAR)	2019071600		Time series plot(see page 4)			
MQUKIEBA			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern MQU..... from the blacklist and addition of specific low quality ids.	0	500	146=>AMDAR(WIGOS AMDAR)	2019071600		Time series plot(see page 4)			
NAFL3SRA			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern NAF..... from the blacklist and addition of specific low quality ids.	0	500	146=>AMDAR(WIGOS AMDAR)	2019071600		Time series plot(see page 4)			
NAFL3SRA			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern NAF..... from the blacklist and addition of specific low quality ids.	0	500	146=>AMDAR(WIGOS AMDAR)	2019071600		Time series plot(see page 4)			
OBNWPSBA			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern OBN..... from the blacklist and addition of specific low quality ids.	0	500	146=>AMDAR(WIGOS AMDAR)	2019071600		Time series plot(see page 4)			
OBNWPSBA			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern OBN..... from the blacklist and addition of specific low quality ids.	0	500	146=>AMDAR(WIGOS AMDAR)	2019071600		Time series plot(see page 4)			
RAM215			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern RAM... from the blacklist and addition of specific low quality ids.	0	500	144=>AMDAR(AMDAR)	2019071600		Time series plot(see page 4)			
RAM215			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern RAM... from the blacklist and addition of specific low quality ids.	0	500	144=>AMDAR(AMDAR)	2019071600		Time series plot(see page 4)			
TMN1			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern TMN. from the blacklist and addition of specific low quality ids.	0	500	144=>AMDAR(AMDAR)	2019071600		Time series plot(see page 4)			

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
TMN1			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern TMN. from the blacklist and addition of specific low quality ids.	0	500	144=>AMDAR(AMDAR)	2019071600		Time series plot(see page 4)			
W34L3SJA			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern W34..... from the blacklist and addition of specific low quality ids.	0	500	146=>AMDAR(WIGOS AMDAR)	2019071600		Time series plot(see page 4)			
W34L3SJA			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern W34..... from the blacklist and addition of specific low quality ids.	0	500	146=>AMDAR(WIGOS AMDAR)	2019071600		Time series plot(see page 4)			
YRM0ILJA			Vcomp (m/s)	Remove from blacklist	This requires removal of any existing pattern YRM..... from the blacklist and addition of specific low quality ids.	0	500	146=>AMDAR(WIGOS AMDAR)	2019071600		Time series plot(see page 4)			
YRM0ILJA			Ucomp (m/s)	Remove from blacklist	This requires removal of any existing pattern YRM..... from the blacklist and addition of specific low quality ids.	0	500	146=>AMDAR(WIGOS AMDAR)	2019071600		Time series plot(see page 4)			

2.9 ACARS

2.9.1 Add

2.9.2 Remove

3 Whitelists

3.1 PROFILER

3.1.1 Add

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
10605	Neuheilenbach (Radar)	Germany	Vcomp (m/s)	Add to whitelist		400	700	96=>PROF(European Wind Profiler)	2019071600		Time series plot(see page 4)	Vertical Profile Plot(see page 4)		Maps view(see page 4)
10605	Neuheilenbach (Radar)	Germany	Ucomp (m/s)	Add to whitelist		400	700	96=>PROF(European Wind Profiler)	2019071600		Time series plot(see page 4)	Vertical Profile Plot(see page 4)		Maps view(see page 4)
10780	Eisberg (Radar)	Germany	Vcomp (m/s)	Add to whitelist		400	700	96=>PROF(European Wind Profiler)	2019071600		Time series plot(see page 4)	Vertical Profile Plot(see page 4)		Maps view(see page 4)
10780	Eisberg (Radar)	Germany	Ucomp (m/s)	Add to whitelist		400	700	96=>PROF(European Wind Profiler)	2019071600		Time series plot(see page 4)	Vertical Profile Plot(see page 4)		Maps view(see page 4)

3.1.2 Remove

3.2 TEMP

3.2.1 Add

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
82765	Carolina (82765-0)	Brazil	All parameters	Add to whitelist	MultiCentre Intercomparison			109=>TEMP(High Reso land TEMP)	2019072900		Time series plot(see page 4)			Maps view(see page 4)

3.2.2 Remove

3.3 PILOT

3.3.1 Add

3.3.2 Remove

3.4 SYNOP

3.4.1 Add

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
06794	Poschiavo / Robbia	Switzerland	All parameters	Add to whitelist				170=>SYNOP(BUFR LAND SYNOP)	2019072400				Multi Centre Comparison(see page 4)	Maps view(see page 4)
60007	La Gomera/ Aeropuerto	Spain (Canary Islands)	Surface pressure (Pa)	Add to whitelist				170=>SYNOP(BUFR LAND SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)
60010	Izana	Spain (Canary Islands)	Surface pressure (Pa)	Add to whitelist				170=>SYNOP(BUFR LAND SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)
60015	Tenerife/Los Rodeos	Spain (Canary Islands)	Surface pressure (Pa)	Add to whitelist				170=>SYNOP(BUFR LAND SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)
60020	Sta. Cruz De Tenerife	Spain (Canary Islands)	Surface pressure (Pa)	Add to whitelist				170=>SYNOP(BUFR LAND SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)
60025	Tenerife Sur	Spain (Canary Islands)	Surface pressure (Pa)	Add to whitelist				170=>SYNOP(BUFR LAND SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)
60030	Las Palmas De Gran Canaria/Gando	Spain (Canary Islands)	Surface pressure (Pa)	Add to whitelist				170=>SYNOP(BUFR LAND SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)
60035	Fuerteventura/ Aeropuerto	Spain (Canary Islands)	Surface pressure (Pa)	Add to whitelist				170=>SYNOP(BUFR LAND SYNOP)	2019071600		Time series plot(see page 4)		Multi Centre Comparison(see page 4)	Maps view(see page 4)
91845	Raratonga Aero	Cook Islands	All parameters	Add to whitelist				170=>SYNOP(BUFR LAND SYNOP)	2019072400				Multi Centre Comparison(see page 4)	Maps view(see page 4)

3.4.2 Remove

WMO Id	Station Name	Country	varno	Evaluation Action	Additional Comments	Layer top	Layer bottom	Subtype Description	Improved since (YMDH)	Deteriorated since (YMDH)	Plot (Time series)	Plot (Vertical stats)	Multi Centre Comparision	Position
LF4J	Lf4J		Wind Vector difference (m/s)	Remove from whitelist		10	10	182=>SYNOP(BUFR SHIP SYNOP)		2019072100	Time series plot(see page 4)			
LF4J	Lf4J		Wind Vector difference (m/s)	Remove from whitelist		10	10	182=>SYNOP(BUFR SHIP SYNOP)		2019070800	Time series plot(see page 4)			