

February 2013

AMV vs Radiosonde (00 & 12 UTC)

Global	No of Collocation	MVD	RMSVD	SD	Mean Speed Dif (ABS)	Mean Dir Dif (ABS)	Bias	Mean Speed AMV	Mean Speed RS
Low level CMV	204	5.21	5.50	1.46	3.56	20.52	1.23	10.13	8.90
Mid level CMV	672	6.54	6.91	2.10	4.56	15.83	0.61	16.21	15.61
High level CMV	2400	6.63	6.81	1.50	4.58	17.00	0.02	15.29	15.31
High level WWWW	2423	6.68	6.98	2.00	4.51	15.91	0.06	17.61	17.55

Northern hemisphere	No of Collocation	MVD	RMSVD	SD	Mean Speed Dif (ABS)	Mean Dir Dif (ABS)	Bias	Mean Speed AMV	Mean Speed RS
Low level CMV	94	5.22	5.42	1.02	3.61	21.40	1.31	9.91	8.59
Mid level CMV	450	6.44	6.84	2.16	4.60	13.76	1.03	17.94	16.91
High level CMV	330	7.16	7.49	1.81	4.78	11.20	0.59	27.73	27.14
High level WWWW	595	7.34	7.34	2.43	4.67	13.25	0.04	25.47	25.43

Tropics	No of Collocation	MVD	RMSVD	SD	Mean Speed Dif (ABS)	Mean Dir Dif (ABS)	Bias	Mean Speed AMV	Mean Speed RS
Low level CMV	110	5.4	5.6	0.8	3.7	20.3	0.4	10.2	9.9
Mid level CMV	219	6.8	7.0	1.1	4.7	21.5	1.5	11.4	10.0
High level CMV	2005	6.5	6.6	1.3	4.5	17.6	0.2	13.4	13.6
High level WWWW	1760	6.5	6.7	1.7	4.5	16.8	0.2	14.9	14.7

Southern hemisphere	No of Collocation	MVD	RMSVD	SD	Mean Speed Dif (ABS)	Mean Dir Dif (ABS)	Bias	Mean Speed AMV	Mean Speed RS
Low level CMV	-	-	-	-	-	-	-	-	-
Mid level CMV	3	9.46	9.46	0.00	7.21	20.52	2.37	12.36	10.00
High level CMV	65	8.59	8.59	0.00	6.85	22.92	2.87	12.05	14.93
High level WWWW	68	7.93	7.93	0.04	5.21	19.42	1.73	17.13	18.87