

January 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	245	6.52	6.73	1.22	4.24	25.62	0.66	10.68	10.02
Mid level CMV	972	7.10	7.70	2.80	5.49	14.16	0.25	16.58	16.83
High level CMV	4242	6.72	6.96	1.74	4.85	17.54	0.52	14.58	15.10
High level WWWW	3931	6.55	6.86	1.99	4.59	15.27	0.31	16.98	16.67

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	207	6.59	6.79	1.12	4.18	25.13	0.38	11.03	10.65
Mid level CMV	837	7.37	7.98	2.86	5.56	13.63	0.86	17.73	18.60
High level CMV	558	8.21	8.57	2.10	6.06	11.94	2.39	24.08	26.47
High level WWWW	845	7.60	7.60	2.60	4.71	12.30	1.46	27.58	26.13

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	35	4.7	4.7	0.2	2.8	29.6	2.4	8.0	5.6
Mid level CMV	125	5.5	5.5	0.6	3.9	22.0	2.5	10.1	7.5
High level CMV	3618	6.4	6.5	1.4	4.5	19.4	0.2	11.9	12.1
High level WWWW	3001	6.1	6.3	1.5	4.5	16.7	0.2	13.4	13.1

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	3	5.38	5.38	0	2.49	27.69	2.49	11.16	8.66
Mid level CMV	10	8.00	8.00	0.27	6.96	18.88	5.46	15.69	10.23
High level CMV	66	10.03	10.06	0.00	7.28	19.71	2.73	15.94	18.67
High level WWWW	85	8.16	8.16	0.00	5.17	23.18	0.76	15.39	16.15