

# Comparison of simultaneous wind measurements using MF spaced antenna radar systems

Radio Science

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A simple model of atmospheric radar backscatter: Description and application to the full correlation analysis of spaced antenna data. <i>Radio Science</i> , 1995, 30, 1263-1280.	0.8	78
2	The new Adelaide medium frequency Doppler radar. <i>Radio Science</i> , 1995, 30, 1177-1189.	0.8	31
3	Spaced antenna analysis of atmospheric radar backscatter model data. <i>Radio Science</i> , 1995, 30, 1417-1433.	0.8	23
4	A comparison of meteor radar systems at Buckland Park. <i>Radio Science</i> , 1996, 31, 1313-1329.	0.8	11
5	Climatological mean wind observations from the UARS high-resolution Doppler imager and wind imaging interferometer: Comparison with current reference models. <i>Journal of Geophysical Research</i> , 1996, 101, 10455-10473.	3.3	38
6	Dynamics of the mesosphere and lower thermosphere as seen by MF radars and by the high-resolution Doppler imager/UARS. <i>Journal of Geophysical Research</i> , 1996, 101, 10393-10404.	3.3	46
7	Rocket vapor trail releases revisited: Turbulence and the scale of gravity waves: Implications for the imaging Doppler interferometry/incoherent scatter radar controversy. <i>Journal of Geophysical Research</i> , 1996, 101, 7013-7017.	3.3	14
8	Comparison of wind measurements between Yamagawa MF Radar and the MU Radar. <i>Geophysical Research Letters</i> , 1996, 23, 3341-3344.	1.5	31
9	Observations of the quasi-two-day wave in the middle and lower atmosphere over Christmas Island. <i>Journal of Geophysical Research</i> , 1996, 101, 12833-12846.	3.3	37
10	On the measurement of gravity waves, tides and mean winds in the low and middle latitude mesosphere and thermosphere with MF radar. <i>Advances in Space Research</i> , 1996, 18, 131-140.	1.2	12
11	Super Dual Auroral Radar Network observations of meteor echoes. <i>Journal of Geophysical Research</i> , 1997, 102, 14603-14614.	3.3	94
12	Development of an external interferometer for meteor wind observation attached to the MU radar. <i>Radio Science</i> , 1997, 32, 1203-1214.	0.8	10
13	Recent advances in radar instrumentation and techniques for studies of the mesosphere, stratosphere, and troposphere. <i>Radio Science</i> , 1997, 32, 2241-2270.	0.8	60
14	A comparison of winds measured by meteor radar systems and an MF radar at Buckland Park. <i>Radio Science</i> , 1997, 32, 867-874.	0.8	10
15	Simultaneous and colocated observation of winds and tides by MF and meteor radars over London, Canada (43°N, 81°W), during 1994-1996. <i>Radio Science</i> , 1997, 32, 833-865.	0.8	94
16	A new method for the measurement of meteor speeds: The pre-topphase technique. <i>Radio Science</i> , 1997, 32, 805-816.	0.8	34
17	Observations of the diurnal tide in the mesosphere and lower thermosphere over Christmas Island. <i>Journal of Geophysical Research</i> , 1997, 102, 1895-1907.	3.3	34
18	Radar observations of a 3-day Kelvin wave in the equatorial mesosphere. <i>Journal of Geophysical Research</i> , 1997, 102, 26141-26157.	3.3	79

#	ARTICLE	IF	CITATIONS
19	Comparisons between Canadian prairie MF radars, FPI (green and OH lines) and UARS HRDI systems. <i>Annales Geophysicae</i> , 1997, 15, 1099-1110.	0.6	31
20	Modeling the diurnal tide with dissipation derived from UARS/HRDI measurements. <i>Annales Geophysicae</i> , 1997, 15, 1198-1204.	0.6	32
21	Long-term MF radar observations of solar tides in the low-latitude mesosphere: Interannual variability and comparisons with the GSWM. <i>Journal of Geophysical Research</i> , 1998, 103, 8667-8683.	3.3	127
22	Wind observations in the MLT region over Southern Japan, by using foil chaff technique, Yamagawa MF radar and the NW radar. <i>Advances in Space Research</i> , 1999, 24, 575-578.	1.2	1
23	New narrow-beam meteor radar results at Christmas Island: Implications for diurnal wind estimation. <i>Radio Science</i> , 1999, 34, 179-197.	0.8	11
24	Spatial correlation analysis revisited: Theory, and application to radar backscatter model data. <i>Radio Science</i> , 1999, 34, 629-641.	0.8	7
25	Influence of instrumental effects upon the full correlation analysis. <i>Radio Science</i> , 1999, 34, 643-655.	0.8	24
26	Gravity wave spectra, directions and wave interactions: Global MLT-MFR network. <i>Earth, Planets and Space</i> , 1999, 51, 543-562.	0.9	29
27	Cooperative wind observation in the upper mesosphere and lower thermosphere with foil chaff technique, the MU radar, and Yamagawa MF radar. <i>Earth, Planets and Space</i> , 1999, 51, 719-729.	0.9	11
28	Comparison of mesospheric and lower thermospheric residual wind with High Resolution Doppler Imager, medium frequency, and meteor radar winds. <i>Journal of Geophysical Research</i> , 2000, 105, 27023-27035.	3.3	17
29	Comparison of atmospheric parameters derived from meteor observations with CIRA. <i>Radio Science</i> , 2000, 35, 833-843.	0.8	55
30	Novel applications of MST radars in meteor studies. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2001, 63, 143-153.	0.6	24
31	Comparison of Na lidar and meteor radar wind measurements at Starfire Optical Range, NM, USA. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2002, 64, 31-40.	0.6	43
32	A long-term comparison of winds and tides measured at London, Canada (43°N, 81°W) by co-located MF and meteor radars during 1994-1999. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2002, 64, 931-946.	0.6	14
33	Global-scale tidal structure in the mesosphere and lower thermosphere during the PSMOS campaign of June-August 1999 and comparisons with the global-scale wave model. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2002, 64, 1011-1035.	0.6	62
34	Modulation of gravity waves by planetary waves (2 and 16 d): observations with the North American-Pacific MLT-MFR radar network. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2003, 65, 85-104.	0.6	39
35	Structure-function-based approach to analyzing received signals for spaced antenna radars. <i>Radio Science</i> , 2003, 38, n/a-n/a.	0.8	9
36	Validation of imaging Doppler interferometer winds using meteor radar. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	25

#	ARTICLE	IF	CITATIONS
37	Climatological lower thermosphere winds as seen by ground-based and space-based instruments. <i>Annales Geophysicae</i> , 2004, 22, 1931-1945.	0.6	10
38	The Buckland Park MF radar: routine observation scheme and velocity comparisons. <i>Annales Geophysicae</i> , 2004, 22, 3815-3828.	0.6	24
39	The meteor radar response function: Theory and application to narrow beam MST radar. <i>Planetary and Space Science</i> , 2004, 52, 591-602.	0.9	26
40	Buckland Park all-sky interferometric meteor radar. <i>Radio Science</i> , 2004, 39, n/a-n/a.	0.8	146
41	The 16-day waves in the mesosphere and lower thermosphere over Wuhan (30.6°N, 114.5°E) and Adelaide (35°S, 138°E). <i>Advances in Space Research</i> , 2005, 35, 2005-2010.	1.2	21
42	A comparison of mesosphere and lower thermosphere neutral winds as determined by meteor and medium-frequency radar at 70°N. <i>Radio Science</i> , 2005, 40, n/a-n/a.	0.8	27
43	MF radar observations of meteors and meteor-derived winds at Syowa (69°S, 39°E), Antarctica: A comparison with simultaneous spaced antenna winds. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	12
44	Initial results from SKiYMET meteor radar at Thumba (8.5°N, 77°E): 1. Comparison of wind measurements with MF spaced antenna radar system. <i>Radio Science</i> , 2007, 42, .	0.8	31
45	First results from the CAWSES-India Tidal Campaign. <i>Annales Geophysicae</i> , 2008, 26, 2323-2331.	0.6	6
46	First meteor radar observations of tidal oscillations over Jicamarca (11.95° S, 76.87° W). <i>Annales Geophysicae</i> , 2009, 27, 2575-2583.	0.6	9
47	Seasonal and quasi-biennial variations in the migrating diurnal tide observed by Thermosphere, Ionosphere, Mesosphere, Energetics and Dynamics (TIMED). <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	117
48	Reply to comment by R. Dhanya and S. Gurubaran on "Initial results from SKiYMET meteor radar at Thumba (8.5°N, 77°E): 1. Comparison of wind measurements with MF spaced antenna radar system". <i>Radio Science</i> , 2009, 44, .	0.8	4
49	Dynamics of the Antarctic and Arctic mesosphere and lower thermosphere " Part 1: Mean winds. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 10273-10289.	1.9	34
50	A comparison study of zonal drift velocities measurements as seen by MF spaced antenna and HF Doppler radar in the Indian dip equatorial mesospheric and lower thermospheric (80-100 km) region. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	2
51	Long-term oscillations of the wind field in the tropical mesosphere and lower thermosphere from Hawaii MF radar measurements. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	17
52	First observations of tidal oscillations by an MF radar over Kunming (25.6°N, 103.8°E). <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2012, 78-79, 44-52.	0.6	11
53	Long-term observations of the quasi two-day wave by Hawaii MF radar. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7886-7894.	0.8	26
54	Meteor radar wind over Chung-Li (24.9°N, 121°E), Taiwan, for the period 10-25 November 2012 which includes Leonid meteor shower: Comparison with empirical model and satellite measurements. <i>Radio Science</i> , 2014, 49, 597-615.	0.8	9

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55	Advanced meteor radar installed at Tirupati: System details and comparison with different radars. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,893.	1.2	24
56	MF and HF radar techniques for investigating the dynamics and structure of the 50 to 110 km height region: a review. Progress in Earth and Planetary Science, 2015, 2, .	1.1	24
57	Observational evidence of the influence of Antarctic stratospheric ozone variability on middle atmosphere dynamics. Geophysical Research Letters, 2015, 42, 7853-7859.	1.5	8
58	Mean winds observed by the Kunming MF radar in 2008–2010. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 122, 58-65.	0.6	4
59	Ozone measurements with meteors: a revisit. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2-7.	1.6	3
60	Mesospheric radar wind comparisons at high and middle southern latitudes. Earth, Planets and Space, 2018, 70, .	0.9	15
61	A technique for inferring lower thermospheric neutral density from meteoroid ablation. Planetary and Space Science, 2020, 180, 104735.	0.9	2
62	Initial Results of Meteor Wind with Langfang Medium Frequency Radar. Atmosphere, 2020, 11, 507.	1.0	2
63	Climatology of Interhemispheric Mesopause Temperatures Using the High-Latitude and Middle-Latitude Meteor Radars. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034301.	1.2	4
65	Comparison of wind measurements in the troposphere and mesosphere by VHF/MF radars and in-situ techniques. Annales Geophysicae, 2008, 26, 3693-3705.	0.6	17
66	Validation of Multistatic Meteor Radar Analysis Using Modeled Mesospheric Dynamics: An Assessment of the Reliability of Gradients and Vertical Velocities. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	1
67	Comparison between the Mesospheric Winds Observed by Two Collocated Meteor Radars at Low Latitudes. Remote Sensing, 2022, 14, 2354.	1.8	6
68	Influence of Meteor Count on Wind Field Retrieved by All-Sky Meteor Radar. Atmosphere, 2023, 14, 519.	1.0	0