



Raw Dropwindsonde Observations in AVAPS Format

NCAR's Airborne Vertical Atmospheric Profiling System (AVAPS) outputs the data received from a dropsonde in a standardized ASCII format. Each file begins with an identifying code for the sonde, the date and time the sonde was baselined. There follows several lines of headers identifying each column parameter, units, and format. Each line of data will contain the sonde ID, date and time of the meteorological observations, as well as the latitude, longitude, and altitude as determined by the sonde's GPS navigation chip. The usual time interval between observations is one half second.

For more information please click [here](#).

Example

AVAPS-T01 STA	054046109	060611	223835.22																	
AVAPS-T01 COM		UTC	UTC	Air	Air	Rel	Wind	Wind	Vert	GPS	GPS	Geopoten	GPS	Sonde	Sonde	GPS	Wind	GPS		
AVAPS-T01 COM	Sonde	Date	Time	Press	Temp	Humid	Dir	Spd	Veloc	Longitude	Latitude	Altitude	Wnd	RH1	RH2	Snd	Error	Altitude		
AVAPS-T01 COM	ID	yyymmdd	hhmmss.ss	(mb)	(degC)	(%)	(deg)	(m/s)	(m/s)	(deg)	(deg)	(m)	Sat	(%)	(%)	Sat	(m/s)	(m)		
AVAPS-D01 S01	054046109	060611	223958.56	511.03	-2.82	2.41	999.00	999.00	99.00	999.000000	99.000000	5717.26	0	2.41	2.05	0	99.00	99999.00		
AVAPS-D01 S01	054046109	060611	223959.06	511.47	-2.82	2.30	999.00	999.00	99.00	999.000000	99.000000	5710.42	0	2.30	1.95	0	99.00	99999.00		
AVAPS-D01 S01	054046109	060611	223959.56	511.99	-2.86	2.19	999.00	999.00	99.00	999.000000	99.000000	5702.28	0	2.19	1.95	0	99.00	99999.00		
AVAPS-D01 S01	054046109	060611	224000.06	512.52	-2.88	2.20	999.00	999.00	99.00	999.000000	99.000000	5694.19	0	2.20	1.85	0	99.00	99999.00		
AVAPS-D01 S01	054046109	060611	224000.56	513.00	-2.88	2.20	999.00	999.00	99.00	999.000000	99.000000	5686.74	0	2.20	1.96	0	99.00	99999.00		

Please contact [Sim Aberson](#) or [Mike Black](#) if you have any questions about AVAPS format.

Last modified: 24 March 2008.
 Please report any problems to the [HRD webmaster](#).

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