

GPM GV Dataset Summary for LPVEx Campaign

Dates of field campaign: September 15, 2010 to Oct 20, 2010 (through January 12, 2011 at Jarvenpaa)

List of instruments to be archived:

1. two-dimensional video disdrometer (2dvd)
2. PARSIVEL
3. Pluvio

Instrument locations:

<u>Location</u>	<u>2DVD</u>	<u>PARSIVEL</u>	<u>PLUVIO</u>
Harmaja, Finland	2dvd_SN37 Lat: 60°06'16.19"N Lon: 24°58'29.55"E	APU05 Lat: 60°06'16.12"N Lon: 24°58'28.44"E Orientation: E-W	Lat: 60°06'16.02"N Lon: 24°58'28.80"E
		APU09 Lat: 60°06'16.08"N Lon: 24°58'28.30"E Orientation: N-S	
Emasalo, Finland	2dvd_SN36 Lat: 60°12'13.33"N Lon: 25°37'28.98"E	APU07 Lat: 60°12'13.28"N Lon: 25°37'27.98"E Orientation: E-W	Lat: 60°12'13.38"N Lon: 25°37'28.49"E
		APU08 Lat: 60,12'13.44"N Lon: 25,37'28.20"E Orientation: N-S	
Jarvenpaa, Finland	2dvd_SN35 Lat: 60°29'04.45"N Lon: 25°04'55.97"E	APU03 Lat: 60°29'04.92"N Lon: 25°04'55.22"E Orientation: E-W	Lat: 60°29'05.05"N Lon: 25°04'56.14"E
		APU04 Lat: 60°29'05.00"N Lon: 25°04'55.41"E Orientation: N-S	
Aranda (Gulf of Finland)	N/A	GVP01 Coordinates contained within archived files ¹	N/A

Data Levels:

<u>Instrument</u>	<u>Level 1A</u>	<u>Level 2</u>	<u>Level 3</u>
2dvd	*.hyd *.hd	*.drops.txt	*.dsd.txt *_rainParams.txt
PARSIVEL	*_spectrum.txt		*_dsd.txt *_rainParams.txt *_snowtable.txt
Pluvio	*_1min.txt		*_raintable.txt *_snowtable.txt

References

LPVEx website: <http://lpvex.atmos.colostate.edu/>

GPM GV website: <http://gpm.gsfc.nasa.gov/>

Data Level definitions: <http://science.nasa.gov/earth-science/earth-science-data/>

Notes:

¹ The PARSIVEL GVP01 was located aboard the research ship vessel Aranda which took measurements around the Gulf of Finland during the field experiment. The geographical coordinates of the ship are contained within the daily tar archives of this instrument. The format within these coordinate files is as follows:

YYYY-mm-DD HH:MM:SS, degrees latitude, degrees longitude