

Flight Information:

Launch Date:	Saturday, 25 November 2023
Launch Time:	08:56:29
End of Ascent:	00:40:00
Station name:	CUSAT
Serialnumber:	20068196

Position:

Longitude:	76.332 °
Latitude:	10.042 °
Altitude:	32 m

Ground Values:

Pressure:	1007.0 hPa
Temperature:	32.6 °C
Humidity:	63 %
Wind direction:	0 °
Wind speed:	0 m/s
Cloud group:	9////

Staff:

Company:	
Operator:	

Events:

Highest Point:	90.5 hPa	17214 m
Tropopause:		
Max Winds:		

Remarks:

Radiosonde Summary
Date: 25/11/2023
Time: 08:56 GMT
Reference No. : 049_001

Location:
Octant : 10
Latitude : N 10°02' 32.21''
Longitude : E 76°19' 55.38''

Flight Information:
Station No. : /////
Station Name : CUSAT
Sonde Type : DFM-09
Sonde No. : 20068196

Surface:
Pres[mb] Temp[°C] DewP[°C] R.H.[%] Wd[deg] Ws[kn] Clouds
1007.0 32.6 24.6 63 000 0.0 9///

Freezing Level:
Pres[mb] Height[m] DEWP[°C]
555.7 5057 -7.5

Tropopause
Pres[mb] Height[m] Temp[°C] Hu[%] DEWP[°C]
- - - - -

Maximum Wind Level
Pres[mb] Height[m] Temp[°C] Hu[%] Wd[deg] Ws[kn]
- - - - -

Standard Level
Pres[mb] Height[m] Temp[°C] Hu[%] Dew[°C] Wd[deg] Ws[kn]
1007 32 32.6 63 24.6 360 0.0
1000 98 31.3 64 23.6 313 8.8
925 789 25.0 77 20.7 293 2.0
850 1526 19.1 84 16.3 95 12.3
700 3172 10.4 57 2.2 148 3.9
500 5896 -3.4 52 -11.8 107 13.6
400 7620 -14.8 47 -22.8 76 8.4
300 9736 -29.7 52 -35.8 238 5.3
250 11009 -39.9 52 -45.5 191 11.1
200 12490 -52.3 55 -56.9 231 17.9
150 14282 -67.6 56 -71.5 212 11.3
100 16646 -79.9 69 -82.2 219 15.1

Highest Level
Pres[mb] Height[m] Temp[°C] Hu[%] Dew[°C] Wd[deg] Ws[kn]
90.5 17214 -80.4 63 -83.1 128 16.1

Ascension Rates
Surface - 200 hPa : 6.6 m/s 24 km/h 396 m/min
Surface - 400 hPa : 6.3 m/s 23 km/h 378 m/min

Termination Reason:
Balloon Burst (BB)