

N42/3RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm NESDIS SAL

Dropwindsonde Scientists ZAWISLAK

Page 1 of 3

Flight ID 20140920N1

Flight Director HENNING

Takeoff from LAL at 1300 UTC

Mission ID WAWXA  
SAHAPAWAIR

AVAPS Operators PATEL / WIERMEKE

Recovery at LAL at 2130 UTC

| Drop # | Sonde ID #                    | Time (UTC) | Lat (°N) | Lon (°W) | Surface Pressure (mb) | Wind closest to surface dir/spd hgt (kt) (m) | BT SST (°C) | Eye, Eyewall, Rainband (direction) | Comments  | Ob # |
|--------|-------------------------------|------------|----------|----------|-----------------------|--|-------------|------------------------------------|---|------|
| CH1    | 1 <sup>PT</sup><br>181920947  | 1337       | 27.49    | 78.18    | 1017                  | 011/6  |             |                                    | PREM CLEAR BELOW  | 1    |
| CH2    | 2 <sup>PT</sup><br>182330636  | 1354       | 26.99    | 75.96    | 1018                  | 327/4  |             |                                    |   | 2    |
| CH3    | 3 <sup>PT</sup><br>182340115  | 1405       | 26.49    | 74.60    | 1018                  | 287/4  |             |                                    | CLEAR BELOW BELOW, FEW CLOUDS ON MARINE TOP                       | 3    |
| CH4    | 4 <sup>PT</sup><br>182340139  | 1416       | 25.99    | 73.23    | 1018                  | 285/12                                       |             |                                    | SUPPERIOR CLOUDS BELOW SOME SHALLOW BUILD UP → REACHING MID DEPTH | 4    |
| CH1    | 5 <sup>PT</sup><br>182310500  | 1427       | 25.49    | 71.87    | 1018.1                | 187/4  |             |                                    |   | 5    |
| CH2    | 6 <sup>PT</sup><br>182240287  | 1438       | 24.99    | 70.48    | 1017.5                | 153/12                                       |             |                                    | CLEAR BELOW PARTIAL INITIAL FAST FALL STABLE AT ~3000ft           | X    |
| CH3    | 7 <sup>PT</sup><br>181921009  | 1439       | 24.96    | 70.40    | 1018.5                | 149/7  |             |                                    | BANKED AT PT 6 FOR PT 6 INITIAL FAST FALL                         | 6    |
| CH4    | 8 <sup>PT</sup><br>182340117  | 1458       | 23.99    | 67.98    | 1018.7                | 124/19                                       |             |                                    |   | 7    |
| CH1    | 9 <sup>PT</sup><br>182340155  | 1506       | 23.62    | 67.12    | 1017.3                | 113/13                                       |             |                                    | CLOUDS BELOW, MOST CONCENTRATED IN AREA                           | 8    |
| CH2    | 10 <sup>PT</sup><br>182930331 | 1513       | 23.25    | 66.24    | 1018.3                | 142/8  |             |                                    | ANVIL AT FLIGHT LEVEL TRANSITION INTO SAL                         | 9    |
| CH3    | 11 <sup>PT</sup><br>182010472 | 1520       | 22.87    | 65.35    | 1019.1                | 149/12                                       |             |                                    | ANVIL TRANSITION  | 10   |
| CH4    | 12 <sup>PT</sup><br>182010457 | 1527       | 22.49    | 64.49    | 1019.3                | 146/9  |             |                                    | MOVED OUT OF CLOUDS, LOOKING FOR BUT OUT OF SAL                   | 11   |
| CH1    | 13 <sup>PT</sup><br>181930905 | 1538       | 22.15    | 63.68    | 1018.3                | 132/18                                       |             |                                    | SAL   | 12   |
| CH2    | 14 <sup>PT</sup><br>182330613 | 1541       | 21.75    | 62.74    | 1018.3                | 111/10                                       |             |                                    | SAL, FEW CLOUDS WITH THE SAL                                      | 13   |
| CH3    | 15 <sup>PT</sup><br>182010731 | 1548       | 21.38    | 61.87    | 1018.3                | 103/9  |             |                                    | SAL, FEW CLOUDS   | 14   |
| CH4    | 16 <sup>PT</sup><br>182340168 | 1555       | 20.99    | 60.99    | 1018.1                | 97/10  |             |                                    | SAL   | 15   |
| CH1    | 17 <sup>PT</sup><br>182340137 | 1606       | 20.24    | 59.97    | 1016.3                | 78/12  |             |                                    | SAL   | 16   |

EARLY CLOUDS DETECTED, BUT CLOUDS

N42/3RF HRD GPS Dropwindsonde Scientist Log (Revised 5/2002)

Storm NESDIS SAL Dropwindsonde Scientists ZAWISLAK Page 2 of 3

Flight ID ZG180920W1 Flight Director HENNING Takeoff from LAL at 1300 UTC

Mission ID WAWKA AVAPS Operators PATEL / WIERWEXE Recovery at LAL at 2130 UTC

SAHARAVAIR

| Drop # | Sonde ID #                     | Time (UTC) | Lat (°N) | Lon (°W) | Surface Pressure (mb) | Wind closest to surface dir/spd hgt (kt) (m) | BT SST (°C) | Eye, Eyewall, Rainband (direction) | Comments   | Ob # |
|--------|--------------------------------|------------|----------|----------|-----------------------|--|-------------|------------------------------------|--|------|
| CU2    | 18 <sup>PT</sup><br>181930904  | 1617       | 19.49    | 58.74    | 1015.7                | 59/11  |             |                                    | SAL, SCATTERED CLOUDS BELOW  | 17   |
| CU3    | 19 <sup>PT</sup><br>181930902  | 1627       | 18.73    | 57.61    | 1014.9                | 76/18  |             |                                    | SAL, BUT LOOKING A BIT CLEARER. MUCH CLEARER                             | 18   |
| CU4    | 20 <sup>PT</sup><br>182010071  | 1638       | 17.94    | 56.53    | 1014.4                | 80/16  |             |                                    | BETTER CLEAR OF SAL NOW SCATTERED CLOUDS                                 | 19   |
| CU1    | 21 <sup>PT</sup><br>182010090  | 1645       | 16.98    | 56.50    | 1013.7                | 62/19  |             |                                    |  | 20   |
| CU2    | 22 <sup>PT</sup><br>181930910  | 1653       | 15.99    | 56.50    | 1013.6                | 60/20  |             |                                    |  | 21   |
| CU3    | 23 <sup>PT</sup><br>182010722  | 1701       | 15.08    | 56.61    | 1012.8                | 76/16  |             |                                    | STILL CLEARER BELOW SCATTERED CLOUDS, NO DUST                            | 22   |
| CU4    | 24 <sup>PT</sup><br>1820130331 | 1709       | 15.00    | 57.61    | 1013.1                | 68/19  |             |                                    | TRANSITION BACK INTO DUST  | 23   |
| CU1    | 25 <sup>PT</sup><br>182010725  | 1719       | 15.00    | 58.71    | 1014.0                | 63/20  |             |                                    | BACK INTO SAL → WFL, DUST SAL (DUST SCATTERED) / FEW SHALLOW CLOUD LAYER | 24   |
| CU2    | 26 <sup>PT</sup><br>182340160  | 1723       | 15.00    | 59.81    | 1013.9                | 59/20  |             |                                    | SAL DUST   | 25   |
| CU3    | 27 <sup>PT</sup><br>182330625  | 1737       | 15.00    | 60.92    | 1013.9                | 74/19  |             |                                    | SAL DUST   | 26   |
| CU4    | 28 <sup>PT</sup><br>181921006  | 1746       | 15.00    | 62.01    | 1013.6                | 91/18  |             |                                    | SAL DUST   | 27   |
| CU1    | 29 <sup>PT</sup><br>182240339  | 1753       | 15.00    | 62.84    | 1013.0                | 94/21  |             |                                    | SAL DUST   | 28   |
| CU2    | 30 <sup>PT</sup><br>182340138  | 1800       | 15.00    | 63.68    | 1012.8                | 86/22  |             |                                    | SAL DUST   | 29   |
| CU3    | 31 <sup>PT</sup><br>182310399  | 1807       | 15.00    | 64.51    | 1012.8                | 101/18                                       |             |                                    | SAL DUST   | 30   |
| CU4    | 32 <sup>PT</sup><br>182330633  | 1814       | 15.00    | 65.35    | 1012.7                | 91/23  |             |                                    | SAL DUST   | 31   |
| CU1    | 33 <sup>PT</sup><br>182340118  | 1821       | 15.00    | 66.18    | 1012.2                | 95/17  |             |                                    | GETTING LESS DUST IN THE MENT OF THE WAVE NOW                            | 32   |
| CU2    | 34 <sup>PT</sup><br>182330618  | 1828       | 15.00    | 67.02    | 1012.1                | -/-  |             |                                    | WAVE   | 33   |

