**CPEX DROPSONDE CHARCTERISTICS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Sondes**  **Attempted** | **Bad Sonde/**  **No Signal** | **Lost Signal**  **Out of DC8** | **Terminated**  **Early** | **Bad/Missing**  **Moisture**  **(Moisture Jump)** | **Both** |
|  |  |  |  |  |  |  |
| 0527 | 13 | 4 | 0 | 0 | 0 | 0 |
| 0529 | 22 | 6 | 1 | 1 | 1 | 0 |
| 0531 | 17 | 1 | 0 | 0 | 2 | 0 |
| 0601 | 26 | 4 | 1 | 6 | 1 | 0 |
| 0602 | 22 | 3 | 0 | 1 | 3 | 0 |
| 0606 | 11 | 3 | 1 | 2 | 0 | 0 |
| 0610 | 28 | 2 | 0 | 2 | 4 (2) | 0 |
| 0611**a** | 31 | 0 | 3 | 0 | 8(2) | 0 |
| 0615 | 10 | 1 | 0 | 6 | 1(1) | 0 |
| 0616 | 31 | 3 | 0 | 11 | 8 | 3 |
| 0617 | 20 | 0 | 0 | 10 | 0 | 0 |
| 0619**b** | 19 | 0 | 0 | 8 | 0 | 0 |
| 0620 | 16 | 0 | 0 | 1 | 1(1) | 0 |
| 0621 | 31 | 1 | 0 | 0 | 2 | 0 |
| 0623 | 7 | 0 | 0 | 0 | 0 | 0 |
| 0624 | 10 | 1 | 0 | 1 | 0 | 0 |
|  |  |  |  |  |  |  |
| **CPEX** | **314** | **29 (9.2%)** | **6 (1.9%)** | **49 (15.6%) \*** | **31(6) (9.9%)** | **3** |
| **CPEX**  **Successful**  **Drops** | **279 (88.9%)** |  |  | **49 (17.6%)** | **31(6) (11.1%)** | **3** |

**a**– Mission after first trouble shooting trip by YES/Beaubien and including the use of new foam for sondes and battery connectors.

**b**– Mission after second trouble shooting trip by YES/Beaubien which included the inclusion of a new shield which enabled better signal transmission.

**\***. Of the 49 that terminated early, 8.1% above 400mb, 8.1% between 4-500mb, 16.2% between 5-600mb, 28.6% between 6-700mb, 18.4% between 7-800mb, and 20.4% between 8-900mb .