

Southern Hemisphere GHOST Test Program

Status Report

19- 26 July 1966

Flights

One balloon was launched during this period, Flight 45202 CCC. This balloon was launched on 25 July at 2025Z. It is flying well at 200 millibars.

200 Millibar Status

Enclosed is an updated summary of flights to date. Flight 24202 SSS was heard by the Lima, Peru tracking station on 9 July. On that date it was located north of the Equator. Flight 36204 KKK was heard both in Christchurch and Boulder during the period 24 to 26 July flying close to the Equator.

500 Millibar Status

Balloons are being flown at Christchurch with radar reflectors during periods of heavy cloud cover to determine their ability to survive in clouds. These tests will be conducted during the period while new balloons are being fabricated. Ascent rate as determined by radar provides a method of computing the amount of water accretion.

200 Millibar Flights

<u>Flight No.</u>	<u>Launch Day & Month</u>	<u>Last Heard</u>	<u>Duration Not Less Than</u>	<u>Still Flying on 26 July 1966</u>
18185 LLL	30 March	12 June	74 days	
20206 VVV*	5 April	14 May	40	
23206 FFF	10 April	30 May	51	
24202 SSS	12 April	9 July	89+	?
25209 AAA	14 April	14 May	31	
28203 KKK	28 April			90+ days
29204 ZZZ	3 May	3 June	32	
30202 CCC	8 May	16 June	40	
31206 DDD	8 May	26 May	19	
34206 JJJ	25 May			62+
35203 RRR	25 May	18 June	25	
36204 KKK	25 May			62+
38206 UUU†	26 May	31 May	7	
39208 HHH	2 June	4 July	33+	?
40204 BBB	6 June			51+
41204 WWW	15 June			42+
44205 NNN	14 July			13+
45202 CCC	25 July			1+

† This balloon was not tested for leaks prior to flight.

* Flight 19203 GGG was a temperature sensor flown on the same balloon as Flight 20206 VVV.

Flights 21207 VVV and 22203 RRR were damaged in high winds at launch on 6 April and flew for 18 and 8 days.

Flight 26204 KKK iced up on ascent & did not reach altitude.

Flight 27203 BBB had a defective transmitter & was not tracked.

Flights 32506 DWRK, 33504 PPP, 42502 PPP, and 43502 NNN were flown at 500 millibars.

Flight 37202 WWW has a very weak transmitter. It was picked up on its first circumnavigation as it passed a few miles north of Christchurch, but otherwise has not been heard.