

RFF-10 WORK FORM
(6-64)

U.S. DEPARTMENT OF COMMERCE
WEATHER BUREAU
RESEARCH FLIGHT FACILITY
MIAMI, FLORIDA

AIRCRAFT

N6539C

FLIGHT NO.

29-71

FLIGHT ID

701016A

DATE

10/16/70

FLIGHT LOG

TAKE OFF (City or airport)

MIAMI

LAND (City or airport)

MIAMI

ALTITUDE

500 FT TO 19000

PURPOSE

RESEARCH "NHRL" (ICE PARTICLES)

LASER RAN FOR SAIL

PROPOSED TAKE OF TIME:

1700Z

PROPOSED FLIGHT DURATION:

5 HOURS

TIME IN:

2145

TIME ON:

2140

TIME OUT:

1650

TIME OFF:

1700

BLK. TIME:

4:55

FLIGHT TIME:

4:40

FLIGHT PERSONNEL (15)

OPERATIONS CREW

WEATHER CREW

VISITORS

McCANN

ROSE

RICHARDSON

CONRAD

LEWIS

SCOTT

DOSSCOTT

TURNER

MINTZ

DEVOL

RUSS (SAIL)

SCHISSEL

FENNELL

PATTEN

PILKINGTON

PROPOSED MISSION

1. CLEAR AIR TESTS OF ICE PARTICLE COUNTER
2. PENETRATE A CUMULUS CLOUD
3. PENETRATE RAIN INSIDE OR BELOW A CUMULUS CLOUD
4. SAMPLE AN ICE CLOUD, BELOW ANVIL OR PENETRATION
5. FLY LOW LEVEL FOR LASER TEST

ACTUAL MISSION AND REMARKS

AS PLANNED.

1. FLEW WIND BOXES IN CLEAR AIR
2. PENETRATED CUMULUS CLOUD, JUST ABOVE CLOUD BASE
3. FOUND NO RAIN TO PENETRATE
4. FLEW BELOW ANVIL OVER HANG
5. FLEW 1000 FT AND 500 FT LASER RUNS. MADE A LEFT 360° TURN WITH 45° BANK FOLLOWING 1000 FT RUN.

DATA COLLECTED AND REMARKS

1 L.DIG TAPE (X), 1 P.P., 1 LSC, 1 RSC, 1 FWD, 1 APS-20, 1 RDR-1, 1 WP101

JTC MALFUNCTION 175050Z - 192500Z.
MANY PARITY ERRORS ON TAPE.