

HFUS 1 BOU 190600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 050A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 19 FEBRUARY 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS.
NO ACTIVITY HAS BEEN OBSERVED. THE DISK REGIONS AND THE LIMBS ARE
STABLE AND QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THE NEXT 8
HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO REMAIN
QUIET DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SOLTERWARN

SPAN

BT

HFUS 1 BOU 191400
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 050B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 19 FEBRUARY 1974

IA. SOLAR ACTIVITY HAS CONTINUED VERY LOW DURING THE PAST 8 HOURS WITH NO ACTIVITY OBSERVED. THERE ARE THREE REGIONS ON THE DISK WITH VISIBLE SPOTS. ALL ARE IN THE WESTERN HEMISPHERE AND APPEAR STABLE AND QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE VERY LOW WITH OCCASSIONAL SUBFLARE ACTIVITY POSSIBLE FROM REGION 352 (S18W23). NO OLD REGIONS ARE DUE TO RETURN AND NO SIGNIFICANT ACTIVITY IS EXPECTED DURING THE NEXT 72 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. IT IS EXPECTED TO BE QUIET DURING THE NEXT 12 HOURS AND BECOME UNSETLED SHORTLY THEREAFTER.

III. EVENT PROBABILITIES 19 FEB - 21 FEB

| | |
|---------|----------|
| CLASS M | 40/35/30 |
| CLASS X | 05/04/03 |
| PROTON | 03/02/01 |
| PCAF | GREEN |

IV. OTTAWA 10.7 CM FLUX

| | |
|-------------|--------------------------|
| OBSERVED | 18 FEB 90 |
| PREDICTED | 19 FEB - 21 FEB 89/87/84 |
| 90-DAY MEAN | 18 FEB 84 |

V. GEOMAGNETIC A UBDUCES

| | |
|-------------------------|---------------------------------------|
| OBSERVED FREDERICKSBURG | 17 FEB 07 |
| ESTIMATED AFR/AP | 18 FEB 02/03 |
| PREDICTED AFR/AP | 19 FEB - 21 FEB 05/06 - 14/16 - 25/33 |
| SOLTERWARN | |
| SPAN | |
| BT | |

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 050

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 19 FEBRUARY 1974.

IA. SOLAR ACTIVITY REMAINS VERY LOW. THE MOST NOTEWORTHY EVENT
OF THE DAY OCCURRED AT 1821Z, WHEN VELA REPORTED A C-7 X-RAY
FLARE WHICH WAS ACCCOMPANIED BY SMALL BURSTS AT CENTIMETER WAVE-
LENGTHS. DUE TO WEATHER, THIS FLARE WAS NOT OBSERVED ON THE GROUND,
ALTHOUGH IT PROBABLY ORIGINATED IN REGION 352 (S18W25). THIS
REGION STILL APPEARS TO BE GROWING, WITH SIMPLIFICATION APPARENT
IN THE INTERMEDIATE SECTION. THE OTHER REGIONS, 347 (S16W80) AND
348 (S19W13), BOTH APPEAR TO BE DECLINING. DEKAMETRIC TYPE III
AND IV ACTIVITY HAS CONTINUED TODAY. THE LIMBS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY WILL REMAIN LOW. INFREQUENT C-CLASS FLARES
ARE EXPECTED, WITH A SLIGHT CHANCE OF AN M-CLASS IN REGION 352. NO
OLD PREVIOUSLY ACTIVE REGIONS ARE DUE TO RETURN IN THIS PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED.
THE RECURRENT DISTURBANCE DUE 20-21 FEB. IS STILL EXPECTED.

III. EVENT PROBABILITIES 20 FEB - 22 FEB.

| | |
|---------|----------|
| CLASS M | 30/30/30 |
| CLASS X | 02/02/02 |
| PROTON | 01/01/01 |
| PCAF | GREEN |

IV. OTTAWA 10.7 CM FLUX.

| | |
|-------------|--------------------------|
| OBSERVED | 19 FEB 85 |
| PREDICTED | 20 FEB - 22 FEB 83/80/78 |
| 90-DAY MEAN | 19 FEB 84 |

V. GEOMAGNETIC A INDICES.

| | |
|-------------------------|---------------------------------------|
| OBSERVED FREDERICKSBURG | 18 FEB 01 |
| ESTIMATED AFR/AP | 19 FEB 07/08 |
| PREDICTED AFR/AP | 20 FEB - 22 FEB 14/16 - 25/33 - 20/24 |
| SOLTERWARN | |
| SPAN | |
| BT | |