

HFUS 1 BOU 180450

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 139A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 18 MAY 1976

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
THE DISK REGIONS ARE QUIET, SMALL SURGES HAVE BEEN OBSERVED AT
SE12 BUT NO SPOTS HAVE BEEN OBSERVED AT THIS TIME.

IB. SOLAR ACTIVITY WILL REMAIN AT A VERY LOW LEVEL. AS ACTIVE
REGION 700 RETURNS TO THE DISK IT IS EXPECTED THAT SOLAR ACTIVITY
WILL INCREASE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND NO CHANGE IS EXPECTED
UNTIL THE 19TH OF MAY WHEN UNSETTLED CONDITIONS CAN BE EXPECTED.

III. EVENT PROBABILITIES 18 MAY - 20 MAY

CLASS M 10/15/15

CLASS X 01/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 MAY 75

PREDICTED 18-20 MAY 75/76/76

90-DAY MEAN 17 MAY 75

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 MAY 05

ESTIMATED AFR/AP 17 MAY 04/04

PREDICTED AFR/AP 18-20 MAY 04/05 - 15/15 - 10/10

SOLTERWARN

BT

HFUS 1 BOU 181430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 139-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 18 MAY 1976

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
THE DISK REGIONS ARE QUIET. THE ACTIVE SURGE REGION AT SE 10 IS
STILL VISIBLE AND ONE SMALL SPOT IN THE TRAILING PLAGE IS NOW VISIBLE
AND RAMEY OBS. REPORTS THAT IT MAY BE DEVELOPING PENUMBRA.

IB. ACTIVITY SHOULD REMAIN AT A VERY LOW LEVEL. RETURNING REGION
700 (SE09) WILL LIKELY REMAIN QUIET.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND SHOULD REMAIN SO UNTIL
THE 19TH WHEN RECURRING UNSETTLED CONDITIONS ARE EXPECTED.

III. EVENT PROBABILITIES 18 MAY - 20 MAY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 MAY 75

PREDICTED 18-20 MAY 75/76/76

90-DAY MEAN 17 MAY 75

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 MAY 05

ESTIMATED AFR/AP 17 MAY 04/04

PREDICTED AFR/AP 18-20 MAY 04/05 - 15/15 - 10/10

SOLTERWARN

BT

HFUS 1 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 139

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 18 MAY 1976

IA. SOLAR ACTIVITY HAS CONTINUED VERY LOW FOR THE PAST 24 HOURS.
A LARGE EXTENDED AND FAINT PLAGE HAS ROTATED INTO VIEW AT S07E62
WITH A SINGLE SMALL SUNSPOT AND ACTIVE FILAMENTS. THIS REGION
(711) IS THE EXPECTED RETURN OF OLD REGION 700. TWO FAINT SUB-
FLARES WITH GRADUAL RISE AND FALL X-RAY EMISSION AT LESS THAN
CLASS C PEAK FLUX HAVE OCCURRED AT 1348Z AND 1623Z TODAY. REGION
704 IS CROSSING WEST LIMB AT THE EQUATOR WITH AN ACTIVE PROMINENCE
ABOVE IT. REGION 707 (S09E06) CONTINUES AS A FAINT PLAGE WITH
TINY SPOTS APPEARING FOR ONLY A FRACTION OF A DAY AT A TIME.

IB. REGION 711 APPEARS QUIESCENT AS DO ALL OTHER REGIONS WITHIN
VIEW. NO INCREASE IN SOLAR ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD CONTINUES EXTREMELY QUIET. A RE-
CURRENT PERIOD OF UNSETTLED CONDITIONS IS EXPECTED TO BEGIN TO-
MORROW. THE INFERRED SOURCE IS A WEAK SOLAR WIND STREAM
ORIGINATING FROM A LOW-LATITUDE LOBE OF THE SOUTH POLAR CORONAL
HOLE.

III. EVENT PROBABILITIES 19 - 21 MAY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 MAY 75

PREDICTED 19 - 21 MAY 75/75/76

90-DAY MEAN 18 MAY 75

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 MAY 03

ESTIMATED AFR/AP 18 MAY 02/04

PREDICTED AFR/AP 19 - 21 MAY 15/15 - 10/10 - 10/10

SOLTERWARN