

HFUS 1 BOU 150500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 136A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 15 MAY 1976

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
THE DISK REGIONS ALL APPEAR STABLE AND QUIET.

IB. SOLAR ACTIVITY WILL REMAIN LOW WITH A FEW CLASS C FLARES
AND AN OCCASIONAL CLASS M FLARE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST EIGHT
HOURS. IT IS EXPECTED THAT THE MAGNETIC FIELD WILL REMAIN QUIET
DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 15 MAY-17 MAY

CLASS M 01/10/30

CLASS X 01/01/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 MAY 73

PREDICTED 15-17 MAY 75/77/80

90-DAY MEAN 14 MAY 75

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 MAY 06

ESTIMATED AFR/AP 14 MAY 04/04

PREDICTED AFR/AP 15-17 MAY 04/07 - 04/07 - 04/05

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HFUS 1 BOU 151430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 136B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 15 MAY 1976

IA. SOLAR ACTIVITY REMAINS VERY LOW BUT IS INCREASING. NEW SPOT
GROWTH NEAR THE LARGE SUNSPOT IN REGION 704 (S01W50) HAS BEEN
ACCOMPANIED BY SUBLFARES. A FILAMENT EMBEDDED IN REGION 707
(S09E52) BECAME ACTIVE AT ABOUT 1000Z AND WAS THE APPARENT
SOURCE OF A GRADUAL RISE AND FALL X-RAY EVENT WITH MAXIMUM AT 1111Z.
FLUX APPROACHED C-LEVEL. ALL OTHER REGIONS REMAIN FAINT AND
QUIESCENT.

IB. SOLAR ACTIVITY WILL RISE SLIGHTLY WITH PRESENT GROWTH TRENDS.
A MORE SIGNIFICANT INCREASE MAY COMMENCE LATE TOMORROW AS OLD
REGION 700 RETURNS TO EAST LIMB.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET. QUIET CONDITIONS
ARE EXPECTED THROUGHOUT THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 15 MAY-17 MAY

CLASS M 01/10/30

CLASS X 01/01/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 MAY 73

PREDICTED 15-17 MAY 75/77/80

90-DAY MEAN 14 MAY 75

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 MAY 06

ESTIMATED AFR/AP 14 MAY 04/04

PREDICTED AFR/AP 15-17 MAY 04/07 - 04/07 - 04/05

SOLTERWARN

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HFUS 1 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 136

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 15 MAY 1976

IA. SOLAR ACTIVITY CONTINUES VERY LOW. SIGNIFICANT SUNSPOT GROWTH IN A NEWLY EMERGING REGION (709, S03W57) VERY NEAR TO REGION 704 (N00W56) IS CREATING A COMPLEX CAPABLE OF PRODUCING SMALL FLARES. THE NEW GROUP IS NEARING TYPE-C CLASS AND HAS POLARITY ARRANGEMENT FOR NORTHERN HEMISPHERE. IT IS OF INTEREST TO NOTE ITS ASSOCIATION WITH THE ABNORMAL LATITUDINAL MOTION OF REGION 704 WHICH HAS MOVED FROM N03 TO SLIGHTLY SOUTH OF THE EQUATOR IN THE PAST MONTH. FILAMENT ACTIVITY AND MINOR SPOT CHANGES IN REGION 707 (S10E46) WERE ACCOMPANIED BY ENHANCED X-RAY BACKGROUND AROUND 1100Z. THE 10 CM RADIO CORONA IS SHOWING A WEAK CONDENSATION AT EAST LIMB WHERE OLD REGION 700 IS DUE TO RETURN LATE TOMORROW. ALL OTHER REGIONS ARE FAINT AND QUIESCENT.

IB. SOLAR ACTIVITY MAY RISE SLIGHTLY IF GROWTH CONTINUES IN REGION 709. A MORE SIGNIFICANT INCREASE MAY ACCOMPANY EAST LIMB RETURN OF REGION 700.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET AND IS EXPECTED TO REMAIN QUIET FOR THE ENTIRE FORECAST PERIOD.

III. EVENT PROBABILITIES 16 MAY - 18 MAY

CLASS M 10/30/30

CLASS X 01/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 MAY 75

PREDICTED 16-18 MAY 79/83/80

90-DAY MEAN 15 MAY 75

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 MAY 03

ESTIMATED AFR/AP 15 MAY 03/04

PREDICTED AFR/AP 16-18 MAY 04/07 - 04/05 - 03/05

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