

HFUS 1 BOU 160450

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 075A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 16 MARCH 1975

IA. SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. ONE  
SMALL SUBFAINT FLARE WAS REPORTED FROM REGION 571 (S12W88). REGION  
572 (S12W23) WAS GROWING RAPIDLY EARLY IN THE PERIOD, BUT GROWTH  
NOW APPEARS TO HAVE SUBSIDED.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW THROUGH THE FORECAST  
PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE FOR THE PAST 24 HOURS.  
MAGNETIC ACTIVITY IS EXPECTED TO DECREASE SLOWLY DURING THE FORE-  
CAST PERIOD TO UNSETTLED LEVELS.

III. EVENT PROBABILITIES 16 MAR - 18 MAR

CLASS M 05/03/03

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 MAR 74

PREDICTED 16 MAR - 18 MAR 73/71/70

90-DAY MEAN 15 MAR 77

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 MAR 21

ESTIMATED AFR/AP 15 MAR 16/18

PREDICTED AFR/AP 16 MAR - 18 MAR 10/12 - 10/12 - 08/10

SOLTERWARN

BT

HFUS 1 BOU 161430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 075B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 16 MARCH 1975

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 8 HOURS,  
AND NO SIGNIFICANT ENERGETIC ACTIVITY HAS BEEN REPORTED. REGION 571  
(S12W90) HAS BEEN ROTATED BEHIND THE WEST LIMB, AND RECENT MINOR  
SURGE ACTIVITY HAS BEEN REPORTED AT SW12. REGION 572 (S12W28)  
HAS CONTINUED TO DEVELOP AND NOW CONTAINS A D-TYPE SPOT GROUP,  
ENHANCED PLAGE, AND AN ARCH FILAMENT SYSTEM. REGION 573  
(S09W63) HAS SHOWN ONLY SLIGHT RECENT DEVELOPMENT AND REMAINS  
RELATIVELY SMALL AND SIMPLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW DURING THE  
REMAINDER OF THE FORECAST PERIOD. ONLY MINOR, INFREQUENT FLARE  
ACTIVITY IS ANTICIPATED.

II. THE GEOMAGNETIC FIELD HAS BEEN DISTURBED TO MINOR STORM INTEN-  
SITY DURING THE PAST 8 HOURS. GENERALLY ACTIVE GEOMAGNETIC CONDI-  
TIONS ARE LIKELY TO CONTINUE FOR ABOUT 24 HOURS, FOLLOWED BY UN-  
SETLED CONDITIONS THROUGH THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 16 - 18 MAR

CLASS M 05/03/03

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 MAR 74

PREDICTED 16 - 18 MAR 73/71/70

90-DAY MEAN 15 MAR 77

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 MAR 21

ESTIMATED AFR/AP 15 MAR 16/18

PREDICTED AFR/AP 16 - 18 MAR 16/20 - 13/16 - 12/14

SOLTERWARN

BT

HFUS 1 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 075

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 16 MARCH 1975

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 24 HOURS.  
THE MOST ENERGETIC EVENT REPORTED WAS A CLASS C3 (GOES) X-RAY BURST  
OBSERVED AT 16/1916Z. NO OPTICAL SOURCE FOR THIS BURST HAS BEEN  
REPORTED, SO THE EVENT MAY HAVE OCCURRED IN REGION 571 (S12W98,  
L-117), JUST BEHIND THE WEST LIMB. REGION 571 NOW LIES COMPLETELY  
BEHIND THE LIMB AND HAS PRODUCED OCCASIONAL MINOR SURGES. REGION 572  
(S14W33) HAS GROWN RAPIDLY AND NOW CONTAINS A D-TYPE SPOT GROUP  
ACCOMPANIED BY ENHANCED PLAGE CONTAINING AN ACTIVE ARCH-FILAMENT  
SYSTEM. AT 1900Z THE BOULDER SPECTROHELIOSCOPE REVEALED THAT THE  
SPOT GROUP OF REGION 572 WAS THEN A SIMPLE BIPOLE OF NORMAL  
ORIENTATION, EXCEPT AT THE SOUTHWEST SIDE OF THE MAIN TRAILER  
PENUMBRA, WHERE A WEAK PENUMBRA CONTAINING LEADING POLARITY FIELDS  
WAS OBSERVED. DURING THE PAST SEVERAL HOURS, DEVELOPMENT HAS  
PROCEEDED MORE SLOWLY IN REGION 572, AND THE REGION MAY BE  
STABILIZING. REGION 573 (S11W69) CONTAINS A SIMPLE BIPOLE C-TYPE  
GROUP AND IS VERY UNIMPRESSIVE NOW, DESPITE PREVIOUS RAPID GROWTH.  
THE REST OF THE DISK REMAINS RELATIVELY STABLE AND ALMOST PLAGELESS.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW DURING THE  
FORECAST PERIOD. REGIONS 571, 572 AND 573 MAY PRODUCE SPORADIC  
MINOR FLARES AND X-RAY BURSTS, BUT MAJOR ACTIVITY IS UNLIKELY UN-  
LESS CONSIDERABLE DEVELOPMENT OF ONE OR MORE REGIONS OCCURS.

II. THE GEOMAGNETIC FIELD WAS DISTURBED TO MINOR STORM INTENSITY  
DURING THE INTERVAL 16/0600-1500Z. THIS DISTURBANCE WAS ESPECIALLY  
SIGNIFICANT AT HIGH MAGNETIC LATITUDES. GENERALLY ACTIVE CONDITIONS  
ARE LIKELY THROUGH 17 MARCH, FOLLOWED BY UNSETLED CONDITIONS AND  
A QUIETING TREND.

III. EVENT PROBABILITIES 17 MAR - 19 MAR

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 MAR 77

PREDICTED 17 MAR - 19 MAR 76/74/72

90-DAY MEAN 16 MAR 77

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 MAR 16

ESTIMATED AFR/AP 16 MAR 20/25

PREDICTED AFR/AP 17 MAR - 19 MAR 13/16 - 12/14 - 08/09

SOLTERWARN

BT