

HFXUS 1 BOU 141300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 073A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 14 MAR 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/1200Z TO 14/1200Z: SOLAR ACTIVITY HAS BEEN MDERATE DUE TO A M1, NO OPTICAL, EVENT AT 13/1250UT, ONLY MINOR RADIO WAS OBSERVED. SEVERAL SMALL C-CLASS EVENTS HAVE ALSO BEEN RECORDED. THE LARGEST WAS A C4, AGAIN NO OPTICAL, AT 14/1036UT. REGIONS 3644 (N06E43), 3640 (N02E17) AND 3634 HAVE EXHIBITED RAPID GROWTH THIS PERIOD. REGIONS 3644 AND 3634 CONTAIN ARCH FILAMENT SYSTEMS. REGION 3643 (S06E39) IS APPARENTLY STABLE AT THIS TIME. NEW REGION 3648 (S12E63) IS A LARGE H-TYPE GROUP WITH MINOR PLAGE FLUCTUATIONS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE GENERALLY LOW WITH ISOLATED M-CLASS EVENTS POSSIBLE FROM REGION 3634 AND 3643. LITTLE IN THE WAY OF OLD ACTIVE REGIONS ARE DUE TO RETURN DURING THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN UNSETLED WITH PERIODS OF QUIET CONDITIONS. THE FIELD IS EXPECTED TO CONTINUE GENERALLY UNSETLED TO QUIET UNTIL 17 MARCH WHEN SOME RECURRENCE OF OLD CORONAL HOLE EFFECTS ARE DUE TO RETURN.

III. EVENT PROBABILITIES 15 MAR-17 MAR

CLASS M 40/50/50

CLASS X 01/01/05

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 MAR 188

ESTIMATED 14 MAR 191

PREDICTED 15 MAR-17 MAR 193/195/197

90 DAY MEAN 13 MAR 194

V. GEOMAGNETIC A INDICES

OBSERVED AFR 12 MAR 007 AP 13 MAR 013

ESTIMATED AFR 13 MAR 013 AFR/AP 14 MAR 005/008

PREDICTED AFR/AP 15 MAR-17 MAR 006/010-010/012-014/016

SOLTERWARN

BT

HFXUS BOU 141300

PREDM 04015 05016 05017

PREDX 00115 00116 00517

PREDP 00115 00116 00517

PCAF 00115

TENCM 19315 19516 19717

AFRED 00615 01016 01417

AFAPF 01015 01216 01617

KKK 22322 21122 23322

BT

HFXS 3 BOU 142200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 073B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 MAR 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
14/1200Z TO 14/2100Z: SOLAR ACTIVITY HAS BEEN LOW; CONFINED TO
LOW LEVEL CLASS C X-RAY BURSTS AND SUBFLARES FROM REGIONS
3643(S06E33) AND 3644(N07E37). THESE TWO REGIONS AND REGIONS
3634(N05W46) AND 3640(N03E16) HAVE SHOWN WHITE LIGHT SUNSPOT
GROWTH AND RESTRUCTURING.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW WITH ISOLATED CLASS M EVENTS POSSIBLE FROM ANY OF
THE FOUR REGIONS LISTED IN PARTIA.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETLED. GENERALLY UNSETLED FIELD CONDITIONS ARE
EXPECTED UNTIL 17 MARCH. THE FIELD IS THEN EXPECTED TO BE
ACTIVE IN RESPONSE TO AN EQUATORIAL CORONAL HOLE.

III. EVENT PROBABILITIES 15 MAR-17 MAR

CLASS M 40/50/50

CLASS X 01/01/05

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 MAR 204

PREDICTED 15 MAR-17 MAR 208/210/210

90 DAY MEAN 14 MAR 194

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 MAR 015/013

ESTIMATED AFR/AP 14 MAR 009/008

PREDICTED AFR/AP 15 MAR-17 MAR 008/010-010/012-014/016

SOLTERWARN

BT

HFXS BOU 142200

PREDM 04015 05016 05017

PREDX 00115 00116 00517

PREDP 00115 00116 00517

PCAF 00115

TENCM 20815 21016 21017

AFRED 00815 01016 01417

AFAPF 01015 01216 01617

BT