

HFUS 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 MODERATE 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 UNSETTLED WITH PERIODS OF QUIET CONDITIONS. THE FIELD IS
EXPECTED TO CONTINUE GENERALLY UNSETTLED 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

HXUS 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

HFUS 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 UNSETTLED. GENERALLY UNSETTLED 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

HXUS BOU 142200
PREDM 04015 05016 05017
PREDX 00115 00116 00517
PREDP 00115 00116 00517
PCAFT 00115
TENCM 20815 21016 21017
AFRED 00815 01016 01417
AFAPF 01015 01216 01617
BT