

HFUS 1 BOU 071300
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 007A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 07 JAN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 06/1200Z TO 07/1200Z: SOLAR ACTIVITY REMAINS LOW. ACTIVITY
 DURING THE PAST 24 HOURS HAS CONSISTED OF LOW LEVEL C-CLASS
 SUBFLARES WITH REGION 3537 (N10W42) PRODUCING THE MAJORITY OF
 THESE. WHILE GROWTH IN THIS REGION HAS SLOWED DURING THE PAST
 FIVE HOURS, ITS MAGNETIC COMPLEXITY IS POSSIBLY INCREASING,
 WITH INDICATIONS OF A WEAK DELTA DEVELOPING IN THE TRAILER
 PORTION OF THE REGION. THE ACTIVE NEUTRAL LINE REMAINS A
 PRIMARILY NORTH-SOUTH ORIENTED BOUNDARY OF A BIPOLAR GROUP. A
 NEW REGION (NUMBERED 3545) AT S16E04 HAS EMERGED EAST OF REGION
 3538 (S17W04) AND HAS GROWN SLOWLY. THE REMAINING DISK REGIONS
 ARE EITHER STABLE OR DECLINING.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
 REMAIN LOW. AN ISOLATED MODERATE FLARE IS POSSIBLE FROM REGION
 3537.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
 BEEN UNSETTLED DURING THE PAST 24 HOURS. UNSETTLED CONDITIONS
 SHOULD CONTINUE UNTIL EARLY ON THE 8TH, WHEN ACTIVE LEVELS ARE
 FORECAST AS A RESULT OF THE EARTH'S ALIGNMENT WITH A DEVELOPING
 CORONAL HOLE NOW LOCATED IN THE SOUTHWEST QUADRANT OF THE SUN.

III. EVENT PROBABILITIES 08 JAN-10 JAN

CLASS M	25/25/25
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	06 JAN	173
ESTIMATED	07 JAN	169
PREDICTED	08 JAN-10 JAN	165/160/156
90 DAY MEAN	06 JAN	212

V. GEOMAGNETIC A INDICES

OBSERVED AFR	05 JAN	004	AP 06 JAN	008
ESTIMATED AFR	06 JAN	010	AFR/AP 07 JAN	010/010
PREDICTED AFR/AP	08 JAN-10 JAN	015/012-012/010-010/010		

SOLTERWARN
 BT

HXUS BOU 071300
 PREDM 02508 02509 02510
 PREDX 00108 00109 00110
 PREDP 00108 00109 00110
 PCAFT 00108
 TENCN 16508 16009 15610
 AFRED 01508 01209 01010
 AFAPF 01208 01009 01010
 KKK 32243 32233 33332
 BT

HFUS 3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 007B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 07 JAN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
07/1200Z TO 07/2100Z: SOLAR ACTIVITY CONTINUES LOW WITH
OCCASIONAL SUBFLARES PRIMARILY FROM REGION 3537 (N09W48). THIS
CLASS D SPOT GROUP IS NOW DECAYING SLIGHTLY AND THE REGION NO
LONGER HAS A DELTA CONFIGURATION. MINOR GROWTH IN REGION 3541
(N08W03) AND NEW REGION 3545 (S16W02) HAVE CONTRIBUTED TO THE
SLIGHT INCREASE IN RADIO FLUX. THE LARGEST XRAY EVENT IN THE
PAST FOUR DAYS (C6) OCCURRED AT 1941Z (MAX) FROM REGION 3537.

IB. SOLAR ACTIVITY FORECAST: ACTIVITY IS EXPECTED TO CONTINUE
LOW WITH A POSSIBILITY OF AN ISOLATED CLASS M EVENT FROM REGION
3537.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED FOR THE PAST NINE HOURS. SLIGHTLY ACTIVE
CONDITIONS ARE EXPECTED TO BEGIN DURING THE NEXT 12 HOURS AS A
CONSEQUENCE OF SUN EARTH ALIGNMENT WITH A DEVELOPING CORONAL
HOLE.

III. EVENT PROBABILITIES 08 JAN-10 JAN

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 JAN 178

PREDICTED 08 JAN-10 JAN 172/166/160

90 DAY MEAN 07 JAN 212

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 JAN 011/008

ESTIMATED AFR/AP 07 JAN 010/010

PREDICTED AFR/AP 08 JAN-10 JAN 015/012-012/010-010/010

SOLTERWARN

BT