

HFUS I BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 269

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 26 SEPTEMBER 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. THE ONLY SIGNIFICANT
FLARE WAS A C5/1N WITH WEAK CENTIMETER BURSTS FROM REGION 1300
(N14W68). FOUR NEW REGIONS WERE IDENTIFIED - 1313 (N20W24), 1314
(S17E42), 1315 (N38E64), AND 1316 (S25E71). REGION 1316 (RETURNING
REGION 1272) HAS SHOWN MINOR LIMB SURGES. REGION 1272 HAD 4 M-CLASS
EVENTS AND NUMEROUS C-CLASS EVENTS LAST ROTATION.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE. REGION 1294 HAS
ROTATED OFF THE WEST LIMB BUT COULD STILL PROVIDE A PROTON EVENT.
REGION 1316 SHOULD CONTRIBUTE SIGNIFICANTLY TO THE OVERALL MODERATE
LEVEL OF ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THE PROTON EVENT
FOLLOWING THE X-1 FLARE OF 23/0941Z CONTINUES TO DECAY, APPROACHING
EVENT THRESHOLDS. SATELLITE FLUX AT 26/2200Z FOR GREATER THAN 10
MEV WAS 15 P/CM2/SEC/STER. CONDITIONS SHOULD REMAIN ACTIVE, WITH
PERIODS AT MINOR STORM LEVELS. THE EFFECTS OF A RECURRENT CORONAL
HOLE SHOULD BE EVIDENT AT 1AU BEGINNING 28 SEPT AND CONTINUING
FOR 24 TO 36 HOURS.

III. EVENT PROBABILITIES 27 SEPTEMBER - 29 SEPTEMBER

CLASS M 30/30/30

CLASS X 20/05/05

PROTON 20/05/05

PCA IN PROGRESS

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 SEPTEMBER 148

PREDICTED 27-29 SEPTEMBER 148/146/146

90-DAY MEAN 26 SEPTEMBER 135

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 SEPTEMBER 26

ESTIMATED AFR/AP 26 SEPTEMBER 24/38

PREDICTED AFR/AP 27-29 SEPTEMBER 25/30 - 29/60 - 25/40

SOLTERWARN

BT

HFUS 1 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 269

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 26 SEPTEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS IN SPITE OF
CONTINUED HIGH SUNSPOT NUMBER. REGION 1994 (N05W59) RETAINS A DELTA
MAGNETIC CONFIGURATION WITH STEEP GRADIENT BUT EVOLUTION AND FLARE
ACTIVITY HAVE SLOWED. SPOT GROWTH IN REGIONS 2006 (N17E05) AND
2017 (N17E35) HAS PRODUCED TWO CLASS E SPOT GROUPS. ALL OTHER
REGIONS ARE SMALL AND OF SIMPLE STRUCTURE.

IB. FLARE ACTIVITY WILL CONSIST OF OCCASIONAL CLASS C EVENTS WITH
CLASS M ACTIVITY AT LESS THAN ONE PER DAY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE
TODAY. ACTIVE CONDITIONS TONIGHT WILL SUBSIDE TO QUIET CONDITIONS
WITHIN 24 HOURS.

III. EVENT PROBABILITIES 27 SEPTEMBER - 29 SEPTEMBER

CLASS M 50/40/40

CLASS X 10/05/05

PROTON 10/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 SEPTEMBER 231

PREDICTED 27-29 SEPTEMBER 225/218/210

90-DAY MEAN 26 SEPTEMBER 179

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 SEPTEMBER 15

ESTIMATED AFR/AP 26 SEPTEMBER 15/20

PREDICTED AFR/AP 27-29 SEPTEMBER 10/15 - 07/10 - 05/07

SOLTERWARN

BT