

HFUS 3 BOU 040200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

7 DAY FORECAST OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0200Z 04 SEPTEMBER 1978

SOLAR ACTIVITY IS EXPECTED TO BE GENERALLY MODERATE DURING THE NEXT SEVEN DAYS WITH PERIODS OF HIGH ACTIVITY POSSIBLE. REGIONS 1272, 1271, 1276, AND 1277 ARE EXPECTED TO CONTINUE AS THE MAIN FLARE PRODUCERS.

THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE WITH PERIODS OF MINOR STORM CONDITIONS ON 06-08 SEPTEMBER AND GENERALLY UNSETTLED AT OTHER TIMES. FLARE-INDUCED GEOMAGNETIC DISTURBANCES ARE POSSIBLE AFTER 06 SEPTEMBER.

SOLTERWARN

BT

HFUS 3 BOU 040201

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

27 DAY FORECAST OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0201Z 04 SEPTEMBER 1978

AFTER 10 SEPTEMBER, SOLAR ACTIVITY SHOULD DECREASE TO LOW TO MODERATE UNTIL NEAR 24 SEPTEMBER WHEN ACTIVE LONGITUDES CURRENTLY ON THE VISIBLE DISK SHOULD BE RETURNING WITH INCREASING ACTIVITY.

AFTER 10 SEPTEMBER, ACTIVE TO MINOR STORM CONDITIONS ARE EXPECTED ON 23-29 SEPTEMBER. AT OTHER TIMES, EXCEPT FOR ISOLATED FLARE-INDUCED GEOMAGNETIC DISTURBANCES, THE FIELD SHOULD BE QUIET TO UNSETTLED.

SOLTERWARN

BT

HFUS 1 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 247

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 04 SEPTEMBER 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 1280 (S14E44)
PRODUCED AN M2/1B FLARE AT 0820 UT. THE REMAINING FLARES OBSERVED
TODAY WERE NOT ABOVE CLASS C IN X-RAYS AND WERE PRODUCED BY REGIONS
1272 (S30E05) AND 1276 (N16W16). BOTH OF THESE REGIONS RETAIN
THEIR ENERGETIC ACTIVITY POTENTIAL. REGION 1276 APPEARS TO HAVE
SLOWED ITS ENCROACHMENT ON REGION 1271 (N16W05). A SMALL NEW REGION
HAS BEEN OBSERVED AT S18E65 AND HAS BEEN NUMBERED 1283. ENERGETIC
SURGING HAS BEEN OBSERVED AT NE32 AND MAY HERALD THE LIMB PASSAGE
OF A NEW ACTIVE REGION.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT A MODERATE LEVEL WITH A
DISTINCT POSSIBILITY OF AN INCREASE TO HIGH LEVELS WITHIN THE
FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED. THIS
CONDITION SHOULD PREVAIL UNTIL ACTIVE LEVELS ARE EXPERIENCED WITH
THE ARRIVAL OF THE EFFECTS OF A SMALL EQUATORIAL CORONAL HOLE AT
1AU ON 06 SEPTEMBER. REGIONS 1276 AND 1272 BY THAT TIME SHOULD
ALSO BE CONTRIBUTING TO AN OVERALL ACTIVE GEOMAGNETIC FIELD.

III. EVENT PROBABILITIES 05 SEPTEMBER - 07 SEPTEMBER

CLASS M 90/90/90

CLASS X 50/50/50

PROTON 35/40/40

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 SEPTEMBER 178

PREDICTED 05-07 SEPTEMBER 185/190/185

90-DAY MEAN 04 SEPTEMBER 133

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 SEPTEMBER 11

ESTIMATED AFR/AP 04 SEPTEMBER 07/07

PREDICTED AFR/AP 05-07 SEPTEMBER 10/12 - 20/30 - 25/35

SOLTERWARN

HFUS 1 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 247

JOIN USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 04 SEPTEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. REGION 1967
(N15E14) HAS PRODUCED THE MOST SIGNIFICANT EVENTS, BOTH C5/SUB-
FLARES, AT 1343Z AND 1704Z. REGION 1967 HAS A BETA GAMMA MAGNETIC
CONFIGURATION, TENDING TOWARD A DELTA. REGION 1966 (S18E27) HAS
AN ANOMALOUS POLE BUT HAS BEEN QUIET TODAY. REGIONS 1962 (N22W01)
AND 1971 (S19W31) HAVE STABILIZED THE GROWTH THEY EXHIBITED
YESTERDAY. BOTH THESE REGIONS ARE SIMPLE MAGNETICALLY. REGION 1972
(N14E74) HAS A MODERATE SUNSPOT STRUCTURE BUT IS TOO CLOSE TO THE
LIMB FOR EVALUATION.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH REGION
1967 HAVING THE HIGHEST PROBABILITY FOR ENERGETIC FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. THE FIELD IS EXPECTED
TO BE GENERALLY UNSETTLED, WITH SHORT PERIODS AT AN ACTIVE LEVEL
THE LATTER HALF OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 05 SEPTEMBER - 07 SEPTEMBER

CLASS M 50/50/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 SEPTEMBER 177

PREDICTED 05-07 SEPTEMBER 177/177/177

5-DAY MEAN 04 SEPTEMBER 171

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 SEPTEMBER 07

ESTIMATED AFR/AP 04 SEPTEMBER 09/12

PREDICTED AFR/AP 05-07 SEPTEMBER 10/12 - 10/12 - 13/15

SOLTERWARN

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