

HFUS 180U 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 244

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 01 SEPT 1978

IA. SOLAR ACTIVITY WAS MODERATE DURING THE PAST 24 HOURS WITH FOUR NEW SPOT GROUPS DEVELOPING ON THE DISK AND GROWTH OCCURRING IN SEVERAL REGIONS ALREADY ON THE DISK. ONE NEW REGION, 1277 (S33E61), PRODUCED AN M1/0B FLARE WHICH MAXED NEAR 011712Z. REGIONS 1266 (N20W07), 1271 (N17E31), 1272 (S29E43), AND 1276 (N16E23) PRODUCED FREQUENT SUBFLARES DURING THE DAY WITH THE LARGEST X-RAY BURST BEING A C8. THE ABOVE REGIONS ALL DISPLAYED FLARE FLUCTUATIONS TO NEAR FLARE INTENSITY. AN ASR WAS NOTED AT SE 20.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE DURING THE NEXT 24 HOURS WITH OCCASIONAL M-CLASS X-RAY BURSTS AND FREQUENT C-CLASS ACTIVITY.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE DURING THE PAST 24 HOURS WITH BRIEF PERIODS AT MINOR STORM LEVELS. THE FIELD IS EXPECTED TO BE UNSETTLED TO SLIGHTLY ACTIVE DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 02 - 04 SEPT

CLASS M 70/75/80

CLASS X 10/10/20

PROTON 01/05/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 SEPT 156

PREDICTED 02 - 04 SEPT 165/171/175

90-DAY MEAN 01 SEPT 130

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 AUG 36

ESTIMATED AFR/AP 01 SEPT 18/18

PREDICTED AFR/AP 02 - 04 SEPT 15/20 - 10/15 - 10/15

SOLTERWARN

HFUS 1 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 244

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 01 SEPTEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN RELATIVELY LOW DURING THE PAST 24
HOURS. REGIONS 1962 (N21E38) AND 1963 (N12E38) CONTINUE SLOW
GROWTH AND ARE PRODUCING OCCASIONAL SMALL C-CLASS SUBFLARES.
REGION 1943 (N04W85) IS ON THE WEST LIMB NOW AND SURGING, BUT
THE REGION HAS DECLINED SO MUCH IN THE PAST 6 DAYS THAT NO
MAJOR FLARES ARE NOW EXPECTED FROM IT. NO SIGN OF OLD REGION 1915
(N12) HAS YET BEEN SEEN AT THE EAST LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE ITS DECLINE FOR THE
NEXT 72 HOURS AT LEAST. WHAT ENERGETIC FLARE POTENTIAL NOW EXISTS
IS DUE MAINLY TO REGION 1943 ON THE WEST LIMB.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 24 HOURS.
THE FIELD IS EXPECTED TO REMAIN QUIET DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 02 SEPTEMBER - 04 SEPTEMBER

CLASS M 40/30/25

CLASS X 05/03/01

PROTON 05/03/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 SEPTEMBER 173

PREDICTED 02-04 SEPTEMBER 170/167/165

90-DAY MEAN 01 SEPTEMBER 172

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 AUGUST 13

ESTIMATED AFR/AP 01 SEPTEMBER 04/08

PREDICTED AFR/AP 02-04 SEPTEMBER 08/15 - 07/12 - 06/10

SOLTERWARN

BT