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DE R01 691715Z

HERE IS THE MESSAGE FOR PFFILE

FROM SPACE DISTURBANCE FORECAST CENTER FSSA BOULDER COLO
SDF NUMBER 256A ISSUED 1700Z 09 MAY 1969

CLASS C FLARES ARE EXPECTED IN THE NEXT 6 HOURS

A. HIGHLIGHTS FOR THE PERIOD 01-08/1800Z MAY 1969 CLN
SOLAR ACTIVITY CONTINUED AT A LOW LEVEL. THE REGION NEAR N23/L275/
WHICH COMPLETED WEST LIMB PASSAGE ON 06 MAY PRODUCED THE MOST
SIGNIFICANT ACTIVITY. THIS REGION PRODUCED A LARGE CLASS M EVENT
/IMP 2B/ AT 02/1743Z AND MEDIUM SIZED M EVENTS AT 05/1236Z /IMP1M/
AND 06/0635Z /IMP 1B/. IN ADDITION, ON 05/0900-1045Z, THIS
REGION EXPERIENCED A LONG DURATION BRIGHTENING WHICH INVOLVED
NEARLY ALL OF THE ASSOCIATED PLAGE. CONCURRENT WITH THIS PLAGE
BRIGHTENING, THE SOLRAD 9 SATELLITE DETECTED A GRADUAL RISE AND
FALL IN X-PAY FLUX WHICH LASTED ABOUT 13 HOURS. DURING THIS EVENT
THE 1-8A X-PAY FLUX BECAME ENHANCED BY A FACTOR OF QOP OVER THE PRE-
EVENT LEVEL AND POSSIBLY MISSED REACHING THE THRESHOLD FOR CLASS M
EVENTS. THE ENHANCED 10.7 CM FLUX ON 05 MAY WAS PROBABLY ASSOCIATED
WITH THESE EVENTS. A REGION CURRENTLY NEAR S29E29 /L131/ PRODUCED
A MEDIUM SIZED CLASS M EVENT /IMP 1B/ AT 06/0253Z, AND A REGION
NEAR S12W16 /L176/ PRODUCED SMALL CLASS M EVENTS AT 05/2028Z /IMP1M/
AND 07/0157Z /IMP 1M/. THE GEOMAGNETIC FIELD WAS QUIET EXCEPT FOR
A MINOR DISTURBANCE 02-03 MAY.

B. FORECAST FOR THE WEEK 10-16 MAY 1969 CLN
AN INCREASE IN ACTIVITY IS EXPECTED AS THE N22 /L264/ REGIONS
RETURN TO THE VISIBLE DISK. DATA FROM THE PIONEER SP CRAFT
INDICATE THAT THESE REGIONS HAVE PROBABLY BEEN ACTIVE DURING THE
PAST 10 DAYS. THE S12 /L176/ AND S29 /L131/ REGIONS ARE EXPECTED
TO CONTINUE TO PRODUCE SPORADIC, SMALL TO MODERATE CLASS M EVENTS.
28-DAY FORECAST FOR 10 MAY-06 JUNE 1969 CLN

ACTIVITY IS EXPECTED TO BE ENHANCED DURING THE PERIOD 12-20 MAY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 09/1700Z ENDING 12/1700Z.

CLASS M OR GREATER 50/60/70

CLASS X 10/10/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX TODAY IS 133. PREDICTED 140/145/150.

E. N/A.

F. KP ESTIMATED FOR 1200-1500Z WAS 0. KP FORECAST FOR NEXT 24
HOURS PER KP 15.3; 1/1/1/2/2/2/2.

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4EPR IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 256P ISSUED 2300Z 29 MAY 1969

CLASS C FLARES ARE EXPECTED IN THE NEXT 18 HOURS

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST
12 HOURS. MOST FREQUENT SURFLARES HAVE BEEN OBSERVED IN THE SW
REGION. WE EXPECT A REGION TO BE RETURNING AT N26 WHICH WAS
QUIET ACTIVE ON ITS LAST PASSAGE DURING THE NEXT 24 HOURS. THE
MAGNETIC FIELD IS SLIGHTLY DISTURBED AT THE PRESENT TIME.

B,C, AND D REMAIN UNCHANGED FROM SDF 256A.

E. MAGNETIC A-FPIFRICKSBURG FOR 28 MAY WAS 05. FOR 29 MAY ABOUT
08. PREDICTED AP FOR 10-12 MAY, 10/10/10.

SOLTEPHARM

BT