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PP KGFF

DE RDU 221740Z

HERE IS THE MSG FOR PEFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 219A ISSUED 1700Z APRIL 02 1969

CLASS M FLARES ARE EXPECTED IN THE NEXT 6 HOURS.

A. A NEW REGION OF CONSIDERABLE SIZE IS ROTATING ONTO THE VISIBLE
DISK AT SE 10-13. THE OLDER REGION AT N09W02 IS OBSERVED TO BE
EVOLVING TO A SIMPLE MAGNETIC CONFIGURATION. FIELD STRENGTHS, AS
EVIDENCED BY UMBRAL DARKNESS, APPEAR TO BE DECREASING, ALTHOUGH
10CM RADIO FLUX REMAINS QUITE HIGH. PROTON FLUXES AT SATELLITE
HEIGHTS ARE STILL ENHANCED FROM THE EVENT STARTING 30/0749Z AND
SOME ABSORPTION - OF ORDER 0.5DB - IS STILL IN EVIDENCE ACROSS
THE POLAR CAP. THE GEOMAGNETIC FIELD IS DISTURBED.

B. IT IS DESIRABLE NOT TO DISCOUNT THE POTENTIAL OF THE N09W02
REGION AS YET, ALTHOUGH EVIDENCE OF DECAY IS MOUNTING. IT APPEARS
A LIKELY PRODUCER OF CLASS M EVENTS, ALTHOUGH CLASS X EVENTS ARE
CLEARLY POSSIBLE.

FORECASTS FOR APRIL 03-05

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

CLASS M OR GREATER 70/70/70

CLASS X 30/25/20

PROTON EVENTS 30/20/20

D. OTTAWA 10.7 CM FLUX TODAY IS 192. PREDICTED 195-195-195.

E. N/A.

F. KP ESTIMATED FOR 1200-1500Z WAS 3. KP FORECAST FOR NEXT
24 HOURS PER KP 15.3; 3-3-3-3-2-2-3.

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PP KGFF

DE RDU 022305Z

HERE IS THE MESSAGE FOR REFILE:

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 219B ISSUED 2300Z 02 APRIL 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS

A. AN OPTICALLY IMPORTANT 2N FLARE BEGAN AT 02/1817Z WITH
MAXIMUM AT 1845Z. BY 1903Z, IT SPREAD ALONG TWO PARALLEL
RIBBONS AND APPROACHED A CLASS 3 IN AREA. IONOSPHERIC EFFECTS,
HOWEVER, WERE SMALL. THE REGION AT N12W02 HAS CHANGED LITTLE
DURING THE DAY. IMPORTANCE ONE FLARES OCCURRED AT 02/0244Z
AND 02/1746Z.

PARTS B, C, D, AND F REMAIN UNCHANGED FROM SDF 219A.

E. MAGNETIC A-FREDERICKSBURG FCP 01 APR WAS 13. FOR 02 APR
ABOUT 15. PREDICTED AP FOR 03-05 APR 15/15/10.

SOLARWARN

BT