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HFUS 1 BOU 300600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 274A

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 30 SEPTEMBER 1972

IA. NO CHANGE

IB. NO CHANGE

II. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED,
NO MAJOR ACTIVITY EXPECTED.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 301300
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 274B
JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 30 SEPT 1972
IA. SOLAR ACTIVITY REMAINS AT A LOW LEVEL WITH ONLY OCCASIONAL
NON ENERGETIC SUBFLARES OCCURRING IN REGION 416/S04 W53/.
REGION 424 /N11E35/ IS NOW THE MOST INTERESTING REGION ON THE
VISIBLE DISK.
IT HAS BEEN GROWING IN H-ALPHA AND WHITE LIGHT AND HAS MAGNETIC
STRUCTURE INDICATIVE OF REGIONS CAPABLE OF ENERGETIC ACTIVITY.
IB. REGION 416 IS THE ONLY REGION NOW ON THE DISK WHICH HAS PRODUCED
CLASS M ACTIVITY. IT IS UNLIKELY THAT THIS REGION WILL PRODUCE ANY
MORE ENERGETIC FLARES DURING THE REMAINDER OF ITS DISK TRANSIT.
CONTINUED GROWTH OF REGION 424 SHOULD RESULT IN
CLASS M ACTIVITY FROM THIS REGION WITHIN THE NEXT 48-72 HRS.
II. THE GEOMAGNETIC FIELD WAS UNSETTLED PRIOR TO 06Z, BUT
IT HAS SINCE BECOME QUIET. GENERALLY QUIET WITH OCCASIONAL
PERIODS OF UNSETTLED GEOMAGNETIC CONDITIONS ARE EXPECTED
DURING THE NEXT 24 HRS. THIS IS REFLECTED IN THE AMENDED
FORECASTS IN PART V.
III. EVENT PROBABILITIES 30 SEPT 02 OCT
CLASS M 35/35/40
CLASS X 01/01/02
PROTON 01/02/05
PCFC GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 29 SEPT 115
PREDICTED 30 SEPT 02 OCT 115/116/118
90-DAY MEAN 29 SEPT 16
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 28 SEPT 07
ESTIMATED 29 SEPT 16
PREDICTED 30 SEPT - 02 SEPT 07/06/10
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KBOU
HFUS BOU 302205
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 274
JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 SEPTEMBER 1972
IA. SOLAR ACTIVITY AT LOW LEVEL WITH NO SIGNIFICANT EVENT. REGION
424 /N12E24/ HAS REVERSED POLARITY BUT SIMPLE MAGNETICALLY. OTHER
DISK REGIONS SIMPLE AND INACTIVE. SMALL SURGES NEAR SE13 INDICATES
REGION ABOUT TO CROSS LIMB.
IB. REGION 424 ONLY ONE WITH POTENTIAL TO PRODUCE SIGNIFICANT FLARE.
II. THE GEOMAGNETIC FIELD WAS ACTIVE TO UNSETTLED BUT QUIET SINCE
30/0600Z. IT IS EXPECTED TO REMAIN QUIET FOR NEXT 48 HOURS AND THEN
BECOME UNSETTLED.
III. EVENT PROBABILITIES 01 OCT-03 OCT
CLASS M 35/35/40
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 30 SEP 118
PREDICTED 01 OCT-03 OCT 118/121/125
90-DAY MEAN 30 SEP 121.4
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 29 SEP 17
ESTIMATED 30 SEP 05
PREDICTED 01 OCT-03 OCT 06/06/09
SOLTERWARN
SPAN
BT