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HFUS 1 BOU 020600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 122A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 02 MAY 1974
IA. SOLAR ACTIVITY HAS BEEN LOW BUT WITH PATROLS LIMITED BY POOR
WEATHER. REGIONS 392-393 (S08 E66 AND S14 E68) HAVE EXHIBITED
CONTINUOUS BRIGHTENINGS BUT NO SIGNIFICANT GROWTH. MAGNETIC FIELDS
CONTINUE TO APPEAR COMPLEX WITH STEEP GRADIENTS. REGION 394
(N08 W30) HAS STABILIZED AT A SMALL SIMPLE BIPOLAR TYPE.
IB. ENERGETIC FLARES MAY AWAIT MORE RAPID EVOLUTION IN REGIONS
392-393. ADDITIONAL ACTIVE CENTERS ARE EXPECTED AT EAST LIMB THIS
FORECAST PERIOD.
II. GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED. UNSETTLED
CONDITIONS SHOULD PERSIST.
III. EVENT PROBABILITIES 02 - 04 MAY
CLASS M 75/80/80
CLASS X 20/25/25
PROTON 03/05/10
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 01 MAY 98
PREDICTED 02-04 MAY 102/104/106
90-DAY MEAN 01 MAY 83
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 0 APRIL 19
ESTIMATED AFR/AP 01 MAY 05/06
PREDICTED AFR/AP 01-04 MAY 10/11 - 10/11 - 10/11
SOLTERWARN
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HFUS 1 BOU 021400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 122B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 02 MAY 1974

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE DURING THE LAST 24 HOURS, AND ONCE AGAIN OPTICAL AND X-RAY COVERAGE HAS BEEN INTERMITTANT DURING THE LAST 12 HOURS. VELA OBSERVED AN M1 X-RAY EVENT AT 02/1113Z, BUT NO OPTICAL OBSERVATIONS WERE AVAILABLE AT THIS TIME. REGIONS 392 (S07E57) AND 393 (S12E68) HAVE CONTINUED TO PRODUCE OCCASIONAL SUBFLARES WITH 1N FLARES OBSERVED IN REGION 392 AT 01/1848Z AND IN REGION 393 AT 02/0707Z. THESE REGIONS DO NOT APPEAR TO BE GROWING BUT ARE RELATIVELY LARGE WITH COMPLEX MAGNETIC FIELDS AND APPEAR CAPABLE OF PRODUCING ADDITIONAL ENERGETIC ACTIVITY. REGION 394 (N07W37) HAS APPARENTLY STABILIZED INTO A SIMPLE BIPOLAR REGION.

IB. ADDITIONAL ENERGETIC ACTIVITY IS EXPECTED FROM REGIONS 392 AND 393. MINOR SURGING AT SE10 MAY INDICATE THE RETURN OF OLD REGION 379 (S10) WHICH IS DUE TO RETURN LATE TODAY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED OVERNIGHT, AND UNSETTLED CONDITIONS SHOULD CONTINUE THROUGH THE FORECAST PERIOD, MOST DISTURBED DURING LOCAL NIGHT HOURS.

III. EVENT PROBABILITIES 02 - 04 MAY

CLASS M 75/80/80

CLASS X 20/25/25

PROTON 03/05/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 MAY 98

PREDICTED 02 MAY - 04 MAY 110/115/118

90-DAY MEAN 01 MAY 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 APRIL 19

ESTIMATED AFR/AP 31 MAY 05/06

PREDICTED AFR/AP 02 MAY - 04 MAY 10/11 - 10/11 - 10/11

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HFUS BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.

SDF NUMBER 122

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 02 MAY 1974

IA. SOLAR ACTIVITY CONTINUES LOW TO MODERATE. X-RAY COVERAGE WAS NOT CONTINUOUS, BUT AT 02/1113Z, VELA DETECTED AN M1 X-RAY EVENT. OPTICAL OBSERVATIONS WERE NOT AVAILABLE AT THIS TIME. REGIONS 392 (S07E54) AND 393 (S12E65) HAVE CONTINUED TO PRODUCE OCCASIONAL SUBFLARES WITH A 1N FLARE REPORTED IN REGION 393 AT 02/0707Z. NEW REGION 395 (S08E62) CONTAINING A SMALL BETA GAMMA SPOT GROUP RESULTS IN A COMPLEX MAGNETIC CONFIGURATION WITH ITS PROXIMITY TO REGIONS 392 AND 393. A DELTA CONFIGURATION STILL EXISTS IN REGION 392. THESE REGIONS DO NOT APPEAR TO BE GROWING BUT RETAIN SUFFICIENT COMPLEXITY FOR ADDITIONAL ENERGETIC EVENTS. REGION 394 (N07W41) HAS BEEN THE SOURCE OF OCCASIONAL SUBFLARES AND DARK SURGES BUT DOES NOT APPEAR TO BE GROWING. AN ISOLATED POLE MAY BE LOCATED JUST WEST OF THE LEADER SPOTS OF THIS REGION. A LARGE ACTIVE PROMINENCE WAS OBSERVED TO ARCH SOUTHWARD FROM SE20, REACHING .14 RADII AT 02/1835Z. TYPE III RADIO BURSTS HAVE BEEN OBSERVED AT DEKAMETRIC WAVELENGTHS THROUGH MOST OF THE PERIOD WITH TYPE IV CONTINUUM ABOVE 16 MHZ OBSERVED AT VARYING INTENSITIES BETWEEN 15-20Z TODAY.

IB. SOLAR ACTIVITY SHOULD BE MODERATE THROUGH THE FORECAST PERIOD WITH THE GREATEST LIKELIHOOD OF ENERGETIC ACTIVITY FROM REGIONS 392, 393, AND 395.

II. THE GEOMAGNETIC FIELD HAS BECOME UNSETTLED, AND GENERALLY UNSETTLED CONDITIONS SHOULD CONTINUE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 03 - 05 MAY

CLASS M 75/75/75

CLASS X 20/20/20

PROTON 05/08/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 MAY 114

PREDICTED 03 - 05 MAY 120/124/128

90-DAY MEAN 02 MAY 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 MAY 07

ESTIMATED AFR/AP 02 MAY 13/14

PREDICTED AFR/AP 03 - 05 MAY 10/11 - 10/11 - 10/11

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