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HOUS 2 BOU 290200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
290200 MAY 1973.

I. REGIONS WITH SUNSPOTS. DATA FROM BOULDER.  
LOCATIONS VALID AT 290000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
0112	S12W66	115	0010	A	01	01		ALPHA
0114	S03W51	100	0150	C	05	21		BETA-GAMMA
0117	N18W17	066	0010	B	04	06		BETA

MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 290000Z.

NMBR	LOCATION	LO	COMMENT
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0113	S06W36	086	
0115	N13E03	046	
0116	S01W06	055	
0118	S12E74	355	SUSPECTED RETURN OF 092
0119	N11E54	355	

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN	IMP	BEGIN	MAX	END	CLASS
0114	0B	28/1735Z	1739Z	1804Z	M-1S

III. AREAS OF SPECIAL INTEREST-

REGION 114.

IN ORDER TO MEET OPERATIONAL REQUIREMENTS OF THE ATM EXPERIMENTERS ABOARD SKYLAB A SECTION IA WILL BE ADDED TO THE JOINT AESU/SESC REGION AND ACTIVITY SUMMARY ISSUED AT 0200Z DAILY. PART IA WILL GIVE REGION NUMBERS, LOCATIONS, AND CARRINGTON LONGITUDES FOR THOSE H-ALPHA PLAGES WITHOUT SPOTS WHICH THE ATM WILL BE STUDYING. A SINGLE SERIES OF REGION NUMBERS WILL BE USED FOR ALL REGIONS. LOCATIONS OF ALL REGIONS WILL BE ROTATED TO 0000Z ON THE DATE OF ISSUE. A SOLAR ROTATION RATE OF 0.55 DEGREES PER HOUR WILL BE USED TO ROTATE LOCATIONS FROM THE TIME OF OBSERVATION TO 0000Z. THESE CHANGES WILL BE EFFECTIVE 25 MAY THROUGH THE END OF ATM OPERATIONS.

SOLTERWARN

SPAN

BT

HFUS 1 BOU 290600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 149A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 29 MAY 1973

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. ONLY A FEW NON ENERGETIC  
SUBFLARES HAVE BEEN OBSERVED.

IB. NO MAJOR ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD IS QUIET.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

HFUS 1 BOU 291300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 149B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 29 MAY 1973

IA. THREE SUBFLARES HAVE BEEN REPORTED SINCE 29/0000Z, AS SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 117 (N18W24) IS THE MOST DYNAMIC REGION ON THE DISK, WITH ARCH-FILAMENTS AND GENERAL WHITE LIGHT AND H-ALPHA GROWTH REPORTED. TWO SMALL SUBFLARES HAVE BEEN OBSERVED HERE. REGION 114 (S03W58), WHICH PRODUCED THE OTHER SUBFLARE, CONTINUES ITS GENERAL DECLINE. BOTH LIMBS AND THE REMAINDER OF THE DISK HAVE BEEN QUIET.

IB. SMALL M CLASS EVENTS ARE STILL POSSIBLE IN REGION 114, BUT ARE NOT EXPECTED DUE TO ITS CONTINUING DECLINE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED. THESE CONDITIONS ARE EXPECTED TO PREVAIL THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 29 MAY - 31 MAY

CLASS M 50/45/30

CLASS X 02/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MAY 92

PREDICTED 29-31 MAY 90/88/88

90-DAY MEAN 28 MAY 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 MAY 10

ESTIMATED 28 MAY 10

PREDICTED 29-31 MAY 06/10/08

SOLTERWARN

SPAN

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HFUS BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 149

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 29 MAY 1973

IA. SOLAR ACTIVITY HAS REMAINED LOW. REGION 114 (S01W66), THE ACTIVE CENTER OF CHIEF INTEREST FOR THE PAST FEW DAYS, HAS BEGUN TO DECAY SLOWLY. IT HAS PRODUCED TWO NON-ENERGETIC SUBFLARES DURING THE PAST 24 HOURS. REGION 117 (N18W30) IS NOW THE ONLY OTHER VISIBLE FEATURE WITH SUNSPOTS. THIS SPOT GROUP, FIRST OBSERVED ON 28 MAY HAS TRIPLED IN AREA (FROM A TYPE B TO A SMALL D) WITHIN THE PAST 24 HOURS, AND THE ASSOCIATED PLAGE HAS DOUBLED IN SIZE. THE PRESENCE OF ARCH FILAMENTS WITHIN THE REGION SUGGESTS THAT ADDITIONAL GROWTH IS LIKELY. THE REGION IS STILL MAGNETICALLY SIMPLE. REGION 117 HAS PRODUCED SEVEN NON-ENERGETIC SUBFLARES IN THE PAST 24 HOURS.

IB. SOLAR ACTIVITY WILL REMAIN LOW FOR THE NEXT 72 HOURS. ONLY INFREQUENT NON-ENERGETIC SUBFLARES ARE EXPECTED. NO OLD REGIONS ARE DUE TO RETURN.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO MILDLY UNSETTLED CONDITIONS ARE EXPECTED TO CONTINUE THROUGH 01 JUNE.

III. EVENT PROBABILITIES 30 MAY - 01 JUNE

CLASS M 30/20/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 MAY 91

PREDICTED 30 MAY - 01 JUNE 90/88/88

90-DAY MEAN 29 MAY 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 MAY 08

ESTIMATED 29 MAY 04

PREDICTED 30 MAY - 01 JUNE 06/06/08

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