PROJECT 10073 RECORD CARD

1. DATE	2. LOCATION	12. CONCLUSIONS
22 & 23 September 1963	Cody, /Wyoming	☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon
3. DATE-TIME GROUP Local _____ GMT 23/0400-1000Z	**4. TYPE OF OBSERVATION** ☒ Ground-Visual ☐ Ground-Radar 75x TX ☐ Air-Visual ☐ Air-Intercept Radar	☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft
5. PHOTOS ☐ Yes ☒ No	**6. SOURCE** civilian	☒ Was Astronomical Jupiter ☐ Probably Astronomical ☐ Possibly Astronomical
7. LENGTH OF OBSERVATION 6 hrs	**8. NUMBER OF OBJECTS** / **9. COURSE** four / Westerly	☐ Other _____ ☐ Insufficient Data for Evaluation ☐ Unknown

10. BRIEF SUMMARY OF SIGHTING

Elongated twisted cigar shaped obj with fireball on one end and brilliant light on other end. Observed through 75x TX. Obj appeared to be 4ft long 8" in diameter. Deep red color. Three small lights associated with obj not necessarily attached. No exhaust or trail. Unusually bright light, easily seen with naked eye. Initial sighting 20 deg elevation in East with termination due South at high angle. Obj still visible. Flight path slow to SW, with obj rolling slowly causing small lights to grow dimmer and brighter. Also observed on the following night.

11. COMMENTS

Observation of Jupiter and it's Satellites through TX.

ATIC FORM 329 (REV 26 SEP 52)

23-24 Sep

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

INCOMING

AF IN : 10237 (24 Sep 63) A/crp

ACTION: NIN-9

INFO : XOP-1, XOPX-4, SAF-OS-3, DIA-25, DIA-CIIC-2 (44)

SMB 8180

OI

ZCZCHQA753ZCWJX589

PP RUEAHQ

DE RUWGKFH 23A 24/0856Z

ZNR

P 240840Z

FM GRADS MALMSTROM AFB MONT

TO RUWGALE/AIR DEFENSE COMMAND ENT AFB COLO

RUWGKF/29TH AIR DIVISION RICHARD GEBAUR MO

RUCDSG/AIR TECHNICAL INTELLIGENCE CENTER WRIGHT PATTERSON AFB OHIO

RUEAHQ/HQ USAF AFCIN WASH 25 D C

RUEAHQ/SECRETARY OF THE AIR FORCE SAFIS WASH 25 D C

BT

UNCLAS GREAC-1351

THIS REPORT SUBMITTED IN ACCORDANCE WITH AFR 200-2, SUBJ UFO

PARAGRAPH 15A

(1) ELONGATED TWISTED CIGAR SHAPE FIRE BALL ONE END, BRILLIANT BLUE WHIT LIGHT ON OTHER END.

(2) EIGHT INCH DIAMETER, 4 FEET LONG AS SEEN THROUGH 75 POWER TELESCOPE.

(3) FIRE BALL DEEP RED.

(4) ONE

(5) N/A

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STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

INCOMING

(6) THREE ADDITIONAL SMALL LIGHTS ASSOICATED WITH BUT NOT NECESSARILY ATTACHED TO OBJECT.

(7) NO EXHAUST OR TRAIL.

(8) NO SOUND

(9) NONE

PARAGRAPH 15B

(1) UNUSUALLY BRIGHT LIGHT EASILT SEEN WITH NAKED EYE.

(2) 20 DEGREES ELEVATION, DIRECTLY EAST OF CODY WYOMING.

(3) OBJECT WAS SOUTH OF CODY WYOMING STILL AT A HIGH ANGLE WHEN WITNESSES TERMINATED OBSERVATION.

(4) FLIGHT PATH SOUTH WESTERLY, MOVING VERY SLOWLY. OBJECT ROLLS OVER CAUSING SMALL LIGHTS TO ALTERNATELY DIMINISH AND GROW BRIGHTER. OBJECT DOES NOT TURN END FOR END

(5) NOT OBSERVED

(6) SIX HOURS ON 23 SEPT UNDETERMINED ON 24 SEPT.

PARAGRAPH 15C

(1) GROUND VISIUAL

(2) 75 POWER TELESCOPE AND POLICE OPTI-SCOPE (MAGNIFICATION) NOT KNOWN

(3) N/A

PARAGRAPH 15D

AF IN : 10237 (24 Sep 63)
PAGE 3 RUWGKFH 23A UNCLAS INCOMING

(1) FIRST SITING 0400/23 TO 1000/23

SECOND SITING 0215/24 STILL BEING OBSERVED AT 0730/24

(2) NIGHT

E. WITHIN CITY OF CODY WYOMING

F. CIVILIAN [redacted] 48.

[redacted] DY WYOMING [redacted]

OF PARK COUNTY. PHONE AREA CO[redacted]4. EIGHT PERSONS INCLUDING TWO LOCAL POLICEMAN WERE ADDITIONAL WITNESSES.

G. 24 SEP 0215Z-0730Z

1 OBSERVERS ACCOUNT---HIGH CELL DOMINATING AREA.

CLEAR SKIES SFC WINDS CALM

2 WINDS ALOFT 6000 FEET 250/15 10000 FEET 280/20

16000 FEET 240/30 20000 FEET 230/25 30000 FEET 240/55

50000 FEET 260/25

3 VCEILING-UNLIMITED

4 VSBY 10 MILES PLUS

5 CLOUD COVER - NONE

6 THUNDERSTORMS NONE

7 TEMPERATURE 58 DEG F.

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE
INCOMING

23 SEPT 0400A-1000Z

1. OBSERVERS ACCOUNT---COLD FRONT OVER IDAHO MVG EAST

2 WINDS ALOFT SURFACE - CALM 6000 FEET 040/05 10000 FEET 240/11 16000 FEET 270/26 20000 FEET 270/27 30000 FEET 270/42 50000 FEET 290/29

3 CEILING - S T MTED

4 VSBY 10 PLUS

5 CLOUD COVER -- 2 TENTH CIRUS EAST 25000 FEET

6 THUNDERSORMS - NONE

7 TEMPERATURE - 59

H. NONE

I. NONE

J. AIR TRAFFIC N/A. BALLON RELEASES NOT KNOWN.

K. SENIOR DIRECTOR GREAT FALLS AIR DEFENSE SECTOR.

MILITARY PERSONNEL AT RADAR FACILITY SUNDANCE WYOMING DID NOT OBSERVE UNUSUAL SITING NOR DID TOWER PERSONNEL AT BILLINGS MUNICIPAL AIRPORT BILLINGS MONT.

L. NONE

BT

NOTE: Adv copy to DIA and NIN

UNIVERSAL TIME OF GEOCENTRIC PHENOMENA

SEPTEMBER

d	h	m	
1	6	10	I. Sh.I.
	7	04	I. Tr.I.
	8	22	I. Sh.E.
	9	14	I. Tr.E.
	12	11	II. Sh.I.
	14	03	II. Tr.I.
	14	40	II. Sh.E.
	16	23	II. Tr.E.
2	3	29	I. Ec.D.
	6	34	I. Oc.R.
3	0	39	I. Sh.I.
	1	31	I. Tr.I.
	2	51	I. Sh.E.
	3	40	I. Tr.E.
	6	27	II. Ec.D.
	10	34	II. Oc.R.
	18	54	III. Ec.D.
	21	39	III. Ec.R.
	21	57	I. Ec.D.
	22	35	III. Oc.D.
4	0	49	III. Oc.R.
	1	00	I. Oc.R.
	19	07	I. Sh.I.
	19	57	I. Tr.I.
	21	19	I. Sh.E.
	22	07	I. Tr.E.
5	1	30	II. Sh.I.
	3	13	II. Tr.I.
	3	59	II. Sh.E.
	5	33	II. Tr.E.
	16	26	I. Ec.D.
	19	27	I. Oc.R.
6	13	36	I. Sh.I.
	14	24	I. Tr.I.
	15	48	I. Sh.E.
	16	33	I. Tr.E.
	19	44	II. Ec.D.
	23	42	II. Oc.R.
7	8	48	III. Sh.I.
	10	55	I. Ec.D.
	11	31	III. Sh.E.
	12	09	III. Tr.I.
	13	53	I. Oc.R.
	14	21	III. Tr.E.
8	8	04	I. Sh.I.
	8	50	I. Tr.I.

d	h	m	
8	10	16	I. Sh.E.
	11	00	I. Tr.E.
	14	48	II. Sh.I.
	16	22	II. Tr.I.
	17	17	II. Sh.E.
	18	42	II. Tr.E.
9	5	23	I. Ec.D.
	8	19	I. Oc.R.
10	2	33	I. Sh.I.
	3	16	I. Tr.I.
	4	45	I. Sh.E.
	5	26	I. Tr.E.
	9	02	II. Ec.D.
	12	51	II. Oc.R.
	22	56	III. Ec.D.
	23	52	I. Ec.D.
11	1	40	III. Ec.R.
	1	59	III. Oc.D.
	2	46	I. Oc.R.
	4	13	III. Oc.R.
	21	01	I. Sh.I.
	21	42	I. Tr.I.
	23	13	I. Sh.E.
	23	52	I. Tr.E.
12	4	07	II. Sh.I.
	5	32	II. Tr.I.
	6	36	II. Sh.E.
	7	52	II. Tr.E.
	18	21	I. Ec.D.
	21	12	I. Oc.R.
13	15	30	I. Sh.I.
	16	08	I. Tr.I.
	17	42	I. Sh.E.
	18	18	I. Tr.E.
	22	19	II. Ec.D.
14	1	59	II. Oc.R.
	12	49	I. Ec.D.
	12	49	III. Sh.I.
	15	31	III. Tr.I.
	15	31	III. Sh.E.
	15	38	I. Oc.R.
	17	43	III. Tr.E.
15	9	58	I. Sh.I.
	10	35	I. Tr.I.
	12	10	I. Sh.E.
	12	44	I. Tr.E.

d	h	m	
15	17	25	II. Sh.I.
	18	40	II. Tr.I.
	19	54	II. Sh.E.
	21	00	II. Tr.E.
16	7	18	I. Ec.D.
	10	04	I. Oc.R.
17	4	27	I. Sh.I.
	5	01	I. Tr.I.
	6	39	I. Sh.E.
	7	10	I. Tr.E.
	11	37	II. Ec.D.
	15	07	II. Oc.R.
18	1	47	I. Ec.D.
	2	57	III. Ec.D.
	4	30	I. Oc.R.
	7	33	III. Oc.R.
	22	56	I. Sh.I.
	23	27	I. Tr.I.
19	1	08	I. Sh.E.
	1	36	I. Tr.E.
	6	44	II. Sh.I.
	7	48	II. Tr.I.
	9	13	II. Sh.E.
	10	08	II. Tr.E.
	20	15	I. Ec.D.
	22	57	I. Oc.R.
20	17	24	I. Sh.I.
	17	53	I. Tr.I.
	19	36	I. Sh.E.
	20	02	I. Tr.E.
21	0	55	II. Ec.D.
	4	14	II. Oc.R.
	14	44	I. Ec.D.
	16	51	III. Sh.I.
	17	22	I. Oc.R.
	18	50	III. Tr.I.
	19	32	III. Sh.E.
	21	03	III. Tr.E.
22	11	53	I. Sh.I.
	12	19	I. Tr.I.
	14	05	I. Sh.E.
	14	28	I. Tr.E.
	20	02	II. Sh.I.
	20	55	II. Tr.I.
	22	31	II. Sh.E.
	23	16	II. Tr.E.

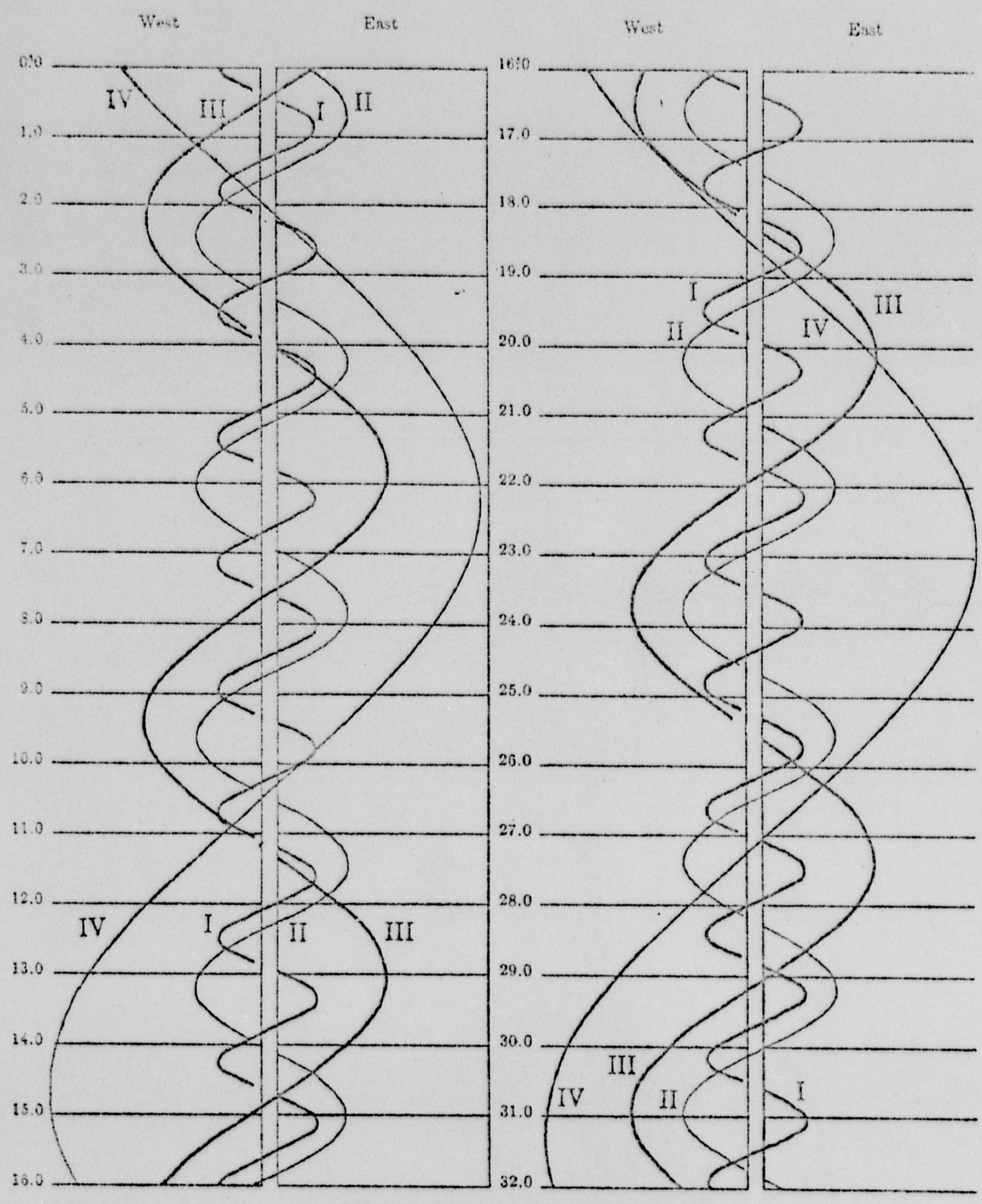
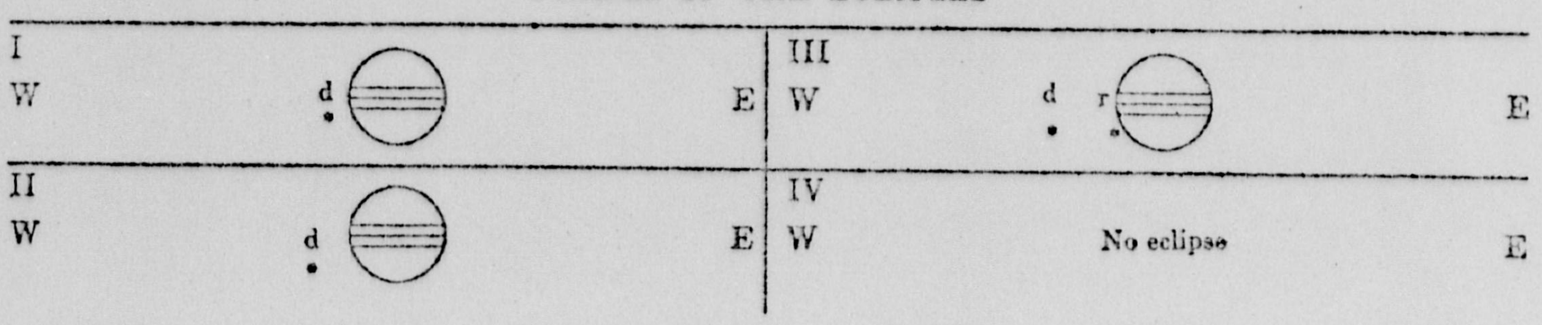
d	h	m	
23	9	13	I. Ec.D.
	11	48	I. Oc.R.
24	6	21	I. Sh.I.
	6	44	I. Tr.I.
	8	33	I. Sh.E.
	8	54	I. Tr.E.
	14	13	II. Ec.D.
	17	21	II. Oc.R.
25	3	42	I. Ec.D.
	6	14	I. Oc.R.
	6	59	III. Ec.D.
	10	51	III. Oc.R.
26	0	50	I. Sh.I.
	1	10	I. Tr.I.
	3	02	I. Sh.E.
	3	20	I. Tr.E.
	9	21	II. Sh.I.
	10	03	II. Tr.I.
	11	49	II. Sh.E.
	12	23	II. Tr.E.
	22	10	I. Ec.D.
27	0	40	I. Oc.R.
	19	19	I. Sh.I.
	19	36	I. Tr.I.
	21	31	I. Sh.E.
	21	46	I. Tr.E.
28	3	31	II. Ec.D.
	6	28	II. Oc.R.
	16	39	I. Ec.D.
	19	06	I. Oc.R.
	20	52	III. Sh.I.
	22	06	III. Tr.I.
	23	33	III. Sh.E.
29	0	20	III. Tr.E.
	13	47	I. Sh.I.
	14	02	I. Tr.I.
	15	59	I. Sh.E.
	16	12	I. Tr.E.
	22	39	II. Sh.I.
	23	10	II. Tr.I.
30	1	07	II. Sh.E.
	1	31	II. Tr.E.
	11	08	I. Ec.D.
	13	32	I. Oc.R.

I. Sept. 16	II. Sept. 17	III. Sept. 10–11	IV
$x_1=-1.4$, $y_1=+0.3$	$x_1=-1.6$, $y_1=+0.5$	$x_1=-2.3$, $y_1=+0.7$ $x_2=-0.8$, $y_2=+0.7$	No eclipse

NOTE.—I. denotes ingress; E., egress; D., disappearance; R., reappearance; Ec., eclipse; Oc., occultation; Tr., transit of the satellite; Sh., transit of the shadow.

CONFIGURATIONS OF SATELLITES I–IV FOR SEPTEMBER

UNIVERSAL TIME



PHASES OF THE ECLIPSES