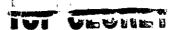
# NOTES ON SATELLITE DELAYS FOR THE DIRECTOR

Declassified and Released by the N R O

In Accordance with E. O. 12958

on\_\_\_\_\_NOV 26 1997



#### CONTENTS

CHART #1: Lists those CORONA MURAL and CORONA-J Systems launched from January 1963 to date. Bar-graph shows:

- a. The relative delay in scheduled launches with number of days delay indicated in each bar.
- b. The results of the mission including whether good, partially successful or failure denoted by color code.

CHART #2: List the same information as above for the

TEXT : Notes the causes for missions not fully successful.

Statistical notes.

MISSION NUMBER	NUMBER OF DAYS DELAYED CORONA AND MURAL SATELLITES
9051-M	0 (no readout, system failed)
9052-M	Service of the servic
9053-M	1
9054-M	12
9056-M	
9057-M	2
1001-J	18
1002-J	
1003-J	
1004-J	
1005-J	
1006-J	
1007-J	
9060-M	3
9061-M	0 (no recovery, system failed)
9062-M	9
9063-M	CANCELLED AFTER 23 DAYS
1008-J	7
1009-J	7
1010-J	7
1011-J	7
1012-J	1
Ć	each tic mark at top represents 1 week)
<u>LEGEND</u>	·
	GOOD MISSION
	PARTIALLY SUCCESSFUL

**FAILURE** 

CHART #1



NUMBER OF DAYS DELAYED FOR VENTER

CHART #2

# TOP SECRET RUFF ARGON/CORONA

#### DISCOVERER SERIES

- 9051 Successful water pickup. Instrument functioned O. K.
  Orbit was 1000 miles out of the ball park due to Agena
  pitch. Both antennas burned in half.
- 9052 First and third TAT boosters failed to separate. Missile was destructed 100 seconds after launch.
- 9053 Successful air recovery. Had to recover after 49 rev's.

  Agena had a power supply problem (400 cycle inverter failed). Instrument operation O. K.
- 9054 Successful air recovery. Mock "P" instrument. Instrument operation O. K. Capsule recovered on orbit 65. Master camera experienced minor light leaks.
- 9056 Normal recovery operation on rev 65. "P" door failed to eject. Instrument operation O. K. Film from master camera seriously degraded by a light leak.
- 9057 Successful air recovery. Lost center format closure on slave unit. Temperature in orbit in mide 80's <sup>O</sup>F. Recovered on orbit 64.
- 1001-1 Recovered on orbit 64. First use of "J" system. Master port horizon camera shutter remained open seriously fogging 1000 master frames. S/I failure. Main instrument operation 0. K.
- 1002-2 Tried unsuccessful to recover capsule after 12 dormant days.
  400 cycle inverter on Agena failed. Temperature sensors
  indicate vehicle ran hot.
- 9058 Successful air recovery on orbit 65. Instrument operation was perfect.
- 1002-1 Capsule recovered on orbit 49. 80% of film degraded by heavy scratches, digs, and bands throughout. Master unit on cassette failed. Misadjustment on puck arm. Consistant light leak.

ARGON/CORONA

#### TOP SECRET RUFF

#### ARGON/CORONA

- 1002-2 Tried unsuccessful to recover on Rev 165. Vehicle decoder failure (Agena).
- 9060 System became unstable 90 seconds after launch. Agena failed to ignite. Shark bait.
- 9061 Tried to recover after 81 revolutions (4 days) but capsule did not eject properly. Capsule remained in orbit.
- 9062 Successful air recovery on Rev 81. Perfect instrument operation.
- 1004-1 Successful air recovery on orbit 49. Instrument operation very good.
- 1004-2 Successful air recovery on orbit 112. Instrument operation good.
- 1003 No orbit due to Agena failure (Regulated power failure).
- 1005-1 Successful launch and orbit. No power from Agena due to pyro buss failure. Slave instrument failed.
- 1006-1 Successful air recovery. Second door stuck for 2 orbits.
  Instrument operation good.
- 1006-2 Successful air recovery. Instrument operation good.
- 1007-1 Successful air recovery. Instrument operation good. Resolution good.
- 1007-2 Successful air recovery. Instrument operation good.
- 1008-1 Successful air recovery. Instrument operation good.
- 1008-2 Successful air recovery. Instrument operation good.
- 1009-1 Successful air recovery. Instrument operation good. Agena beacon problem.
- 1009-2 Successful air recovery. Instrument operation good. Agena beacon problem.
- 1010 Launched 14 September. Instrument operation good.
- 1011 Launched 5 October. Successful recovery of first film bucket. Second bucket not recovered due to failure telemetry receiver.
- 1012 Launched 17 October. Successful recovery of both buckets.

  Second bucket called down early due to command signal problems. Film recovered was minimal.

TOP SECKET KUFF

TOP SECRET RUP TAM PERBUT

TOP SECRET RUFF

#### INI WEWELL

## CORONA "J"

<u>#</u>	Da	ys Delay		of Times neduled	Results	Reason
1001		18		5	IRV	Decoder
1002		24		5	IRV	Film Degraded
1003		190		19	F	Agena
1004		123		10	2RV	
1005		185		11	F	Agena
1006		203		7	2RV	
1007		34		8	2RV	
1008		0		1	2RV	·
1009		30		5	2RV	
1010		42		2	2RV	( )
1011		4		2	1RV	Telemetry
1012		1		2	2RV	Command
	Average	71	Total	77		-

\* F - Failure

1RV - Partially Successful

2RV - Successful



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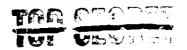


### CORONA MURAL (since Jan. 1963)

#	<u>n</u>	ays Del ay	No. of times scheduled	Result	Reason
9051		0	1	F	Agena
9052		4	2	F	Booster
9053		1	2	P	Agena
9054		12	2	P	Camera
9056		26	2	F	Camera
9057		2	2	P	Camera
9060		3	2	F	Agena
9061	`	0	1	F	Capsule
9062		9	2	S	
•	Ave	6	Total 16		

#### CORONA ARGON

#	Days Delay	No. of times scheduled	Result	Reason
9055	0	1	F	No orbit
9058	14	<b>5</b> .	S	
9059	11	5	S	
9065	22	4	S	
9066	4	2	S	
	Ave. 10	otal 17		



	,
J 30	1015-J
8 t-9 j	2
Z 7Z	1013-J
71-91	1012-J
72.	1011-J
3 14	1010-3
-3	1009-J
3	1008-J
-M CANCELLED AFTER 23 DAYS .	М-6906
-M	9062-M
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC	
-	NUMBER



9061-M. 0 (no recovery, system failed)
9060-M
1007-J
1006-J
185
1,004-3
1003-J
•
1001-J
1648 ,
9054-M 12 EX
31 12
9053-M
28 4 0052 W
0 (no readout, system failed)
L AUG SEP OCT NOV
MISSION NUMBER OF DAYS DELAYED GOOD MISSION FARTIAL SUCCESS FAILURE NUMBER CORONA AND MURAL SATELLITES OF GOOD MISSION FAILURE FAILURE

Benevior I

AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL NUMBER

NUMBER OF DAYS DELAYED

THE PERSON WAS

PANN OFFICE AFTER C CONTRACTOR IOI CENTER 

(each tic mark at top represents 1 day)

CHART #2

	nun nun unn nun nun nun nun nun nun unn unn unn nun nun Lantiah SUCCESS FAILURE
9051-M	0 (no readout, system failed)
9052_M	
9053-M	
9054_M	
M-0006	26
9057-M	2
1001-J	18
1002-J	24
1003-J	190
1004-J	123
1005_1	
1.006-3	203
1007-J	71
м-0906	3
9061-M	
9062-M	o
М-6906	
1008-3	7
1009-3	
10101	
, ,	
T-1101	TOT CHILLIAN B
1012-7	

(each tic mark at top represents l day) CHART #1