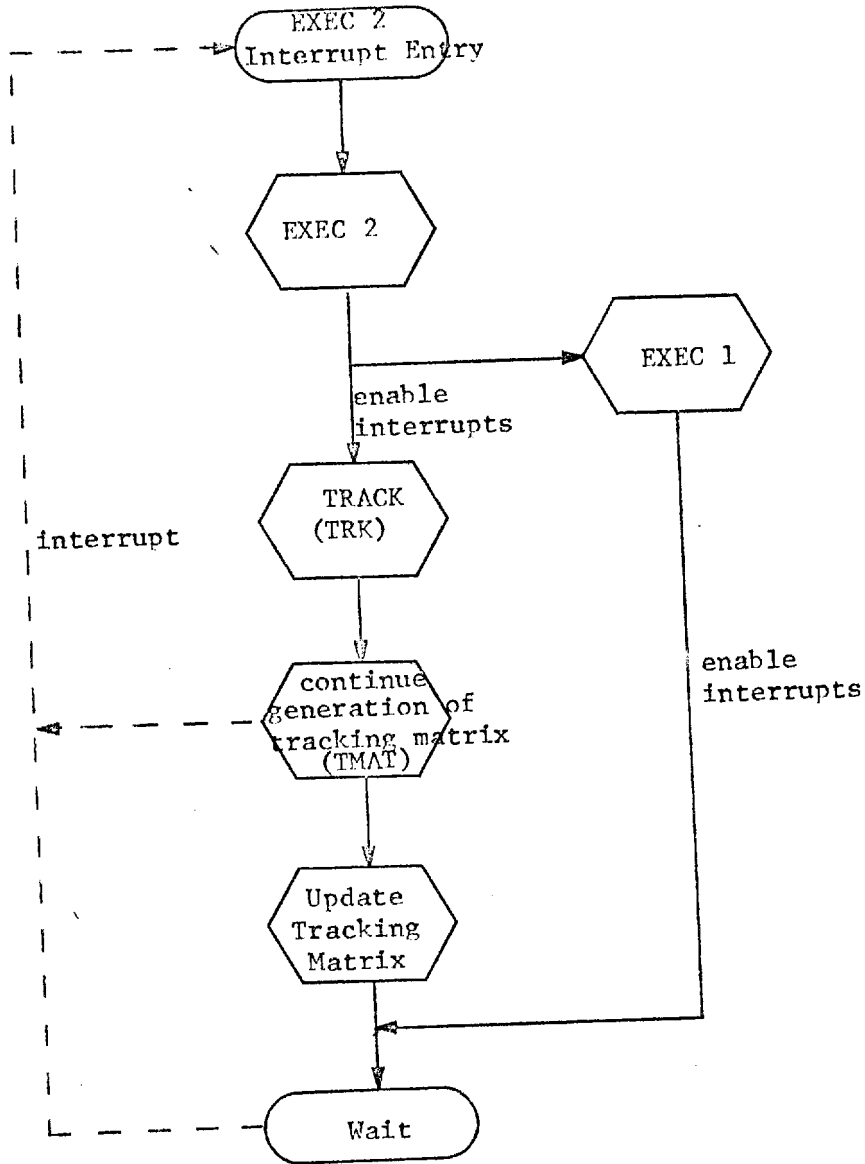


General Philosophy



Declass Review by
NIMA/DOD

Routine Mnemonic	Functional Description	Number of Instructions	Language	Completed
EXEC1	non-real-time executive	300	DAP	yes
STAGIN	stage initialization	500	DAP	no
TTIN	input time base	100	DAP	no
RECIN	input recall points	100	DAP	no
PARMOD	change selected inputs	100	DAP	no
TBSRCH	find table (ICT) entry	100	DAP	no
DATAIN	input camera data	500	DAP	yes
MSGIN	input teletype message	100	DAP	yes
CONVRT	conversion routines	300	DAP	yes
SCANER	format test	100	DAP	no
ASCBIN	decode BCD to binary	300	DAP	yes
CVF1	convert fixed to floating point	300	DAP	yes
FID1	input fiducials	100	DAP	no
FID2	stage to photo routines	100	DAP	no
FID3	initial lens rotations	400	FORTRAN	no
RDST	read stages	100	DAP	yes
MSGOUT	output teletype message	100	DAP	yes
RECALL	drive stages to recall point	500	DAP	yes
TTIC	input time tics	300	DAP	no
EXEC2	real-time executive	500	DAP	yes
REORT	reorient	700	FORTRAN	yes
GTP	ground tracking plane	200	FORTRAN	yes
CVF	convert fixed to floating point	300	DAP	yes
CVB	convert floating to fixed point	100	DAP	yes

Routine Mnemonic	Functional Description	Number of Instructions	Language	Completed
TRK	tracking commands	500	DAP	yes
XXM1	lens to photo vector	200	FORTRAN	yes
RDOP	read optics	300	DAP	yes
LSTC/PSET	rectify tracking	100	DAP	yes
TMAT	generate tracking matrices	2000	FORTRAN	yes
RDCRX	read correlator parallex	100	DAP	no
RDCR	read correlator optics	300	DAP	yes
CAMATS	ground to photo rotations	500	FORTRAN	yes
MTS	compute conjugate points	700	FORTRAN	yes
PTOP	optics transformations	700	FORTRAN	yes
T2STRP	slave photo time of exposure	500	FORTRAN	yes
TICT/X	time tic interpolation	300	DAP	yes
T2PAN	pan slave photo time of exposure	500	FORTRAN	yes
MATMAK	compose rotation matrices	200	FORTRAN	yes
XAI	interpolate camera locations	500	FORTRAN	yes
YMR	compute conjugate pan point	<u>200</u>	FORTRAN	yes
		13,800		

Deliverable items include one systems tape, approximately 40 subroutine source language tapes, 40 object language tapes, two loaders (one for high core and the other for low core), and various utility routines.

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MEMORANDUM FOR [REDACTED]

[REDACTED]

raise some questions. Please address yourself to them and brief me.

R

(DATE)

FORM NO. 101 REPLACES FORM 10-101
1 AUG 54 WHICH MAY BE USED.

(47)