1.1 GFO Operational Orbit Determination Data (OODD) Format

1.1.1 ooddyydddhhmmssrecs.dat

oodd = OODD File
yy = Year
ddd = Julian Day
hh = Hour
mm = Minute
ss = Second
recs = Number of Records
$ = Separator: "$" on POC Machines
"_" on ADFC Machines

1.1.2 REFERENCE DOCUMENTATION

Interface Control Document for Payload Operations Center/ADFC for the GEOSAT Follow-On System, Ball Aerospace, SP0025-617, Revision E, July 15, 1997.

1.1.3 FUNCTIONAL DESCRIPTION

The OODD file contains operational orbit data generated by the NAVSOC Headquarters.

1.1.4 FILE FORMAT

Data Element Identifier	Data Description	Type	Units of Measure	Limits/ Range	Source	Destination	Size
Msg ID	file ID	I3	N/A	103	ODP	NHR_OD	3
User ID	user ID	C20	N/A	N/A	ODP	NHR_OD	20
year	message year	I2	years	00-99	ODP	NHR_OD	2
doy	day of year	I3	days	1-366	ODP	NHR_OD	3
hh	hours	I2	hours	0-23	ODP	NHR_OD	2
mm	minutes	I2	minutes	0-59	ODP	NHR_OD	2
ss	seconds	I2	seconds	0-59	ODP	NHR_OD	2
YEAR	Last two digits of year	I2	years	00-99	ODP	NHR_OD	2
BLANK	spacer blank	ascii			ODP	NHR_OD	1
DOY	Day of Year	I3	days	001-366	ODP	NHR_OD	3
BLANK	spacer blank	ascii			ODP	NHR_OD	1
SECONDS	Seconds of day	F7.1	seconds	0-86400	ODP	NHR_OD	7
BLANK	spacer blank	ascii			ODP	NHR_OD	1
LATITUDE	Latitude of GFO satellite	F12.7	degrees	-90 - +90	ODP	NHR_OD	12
BLANK	spacer blank	ascii			ODP	NHR_OD	1
LONGITUDE	Longitude of GFO satellite	F12.7	degrees	-180 - +180	ODP	NHR_OD	12
BLANK	spacer blank	ascii			ODP	NHR_OD	1
HEIGHT	Height of GFO satellite	F9.2	meters	-100000000 – +100000000	ODP	NHR_OD	9
						Total (bytes)	84