Chapter 2 - Orbit Overview

Contents

Introduction to Chapter 2

This chapter gives an overview of the NIMS observations in the G8 Orbit.

The text on pages 3 and 4 summarizes the NIMS science objectives for G8. The NIMS calibrations are discussed on page 4. Early data return and G8 playback are also discussed on page 4.

The table on pages 5, 6 and 7 is a time-ordered listing of the NIMS Oapels for G8.

The plot on page 8 shows the geometry of the NIMS G8 observations using a north trajectory pole view projection. The plots on pages 9 and 10 show the geometry of the NIMS Satellite and Jupiter observations. The plot on page 11 shows the geometry of the NIMS G8 calibrations. The plot on page 12 shows the geometry of the NIMS RAM Reloads and MROs.

The spreadsheet on pages 13 through 15 summarizes the various inputs for the NIMS G8 Observations. The spreadsheet on pages 16 through 21 summarizes the resource usage for the NIMS G8 observations. The spreadsheet on pages 22 through 27 summarize the Playback Model for the NIMS G8 observations.

The table on pages 28 through 31 lists various NIMS G8 observing parameters: target latitude/longitude, range, cone angle, incidence angle (light), emission angle (view) and phase angle.

The tapemap on pages 32 through 37 shows the placement of the G8 observations on the spacecraft's tape recorder. The NIMS observation names are written with a larger type.

The timeline on pages 38 through 43 shows the preliminary G8 playback schedule.

The NIMS G8 mosaic designs are summarized on pages 44 through 51 in time-order.

NIMS G8 SCIENCE OVERVIEW

Ganymede Science

A total of six observations are planned for Ganymede. The first observation of Osiris (OSIRIS), a central dome crater, will be a study of the composition and nature of large central dome crater evolution. The next observation (URUK__) is of the Uruk Sulcus region and studies its subsurface geology and mineralogy. Three observations are planned to study variations in chemical composition in the amount of dark and light material in the leading and trailing hemisphere (TRANSI, LIDARK and DARTRL). In the trailing hemisphere (DRKTRL), NIMS will study the mineralogy of a dark albedo unit that might have been modified by magnetospheric bombardment. The last observation (MELKAR) is of Melkart crater to study its composition and morphology. This is a joint observation with SSI.

Io Science

NIMS Io monitoring contain CHEMIS and THRMAL observations which look at the dayside and nightside to map surface composition and to search for hotspots on the surface. Also, there are five VOLCAN observations which will monitor chosen regions Loki, Pelee, Kanehekili.

Europa Science

G8 is a non-targeted encounter for Europa in which NIMS has two observations planned. These observations will aim to identify and characterize temperature variability as well as determining green house solid state on Europa.

Callisto Science

NIMS has planned two Callisto global composition maps for G8. Geometry provides a unique south polar pass in which NIMS will map 60% of lit surface that will not be obtained for the remainder of the tour. Lastly, there are two planned crater observations for the Buri and Adlinda craters which will determine compositional differences, structure and minor constituents.

NIMS G8 SCIENCE OVERVIEW

Jupiter Science

The NIMS atmospheric observations for G8 constitute feature track campaigns centered on the South Polar Boundary feature. There are a total of sixteen feature track observations for this region. The phase angles for this feature campaign are 10, 41, 71, 104, 122, 133 and 146 degrees. Furthermore, NIMS has planned partial feature track campaigns at 10 degrees phase angle near 50 degrees south temperate latitude. For the feature track and partial feature track campaigns, Jupiter will be imaged in 68 colors, with 25 colors being transmitted.

Moreover, NIMS will be doing a ride along with UVS and MWG to observe H3+ emission of Jupiter aurora. Also, observations are planned to do high spectral resolution mapping of the South Polar Boundary to acquire several CH4 and H2 absorption features.

In addition to the high spectral observations, NIMS will also obtain 5 and 3 micron night-time maps of trace species within the South Polar campaign feature. The phase angle for these high spectral observations is 71 degrees. Also planned is a high spectral and spatial resolution nightside map of a hotspot region to assess water abundance utilizing three micron spectroscopy.

Lastly, NIMS has planned several Jupiter thermal north/south stripe observations which will assess lower-troposphere properties such as phosphine abundance variation and 5 micrometer variability of ammonia cloud opacity.

Calibration

There are nine NIMS calibration observations in G8: five darkcals, one PCT cal, two RCT cals and 1 OPCAL. The darkcal observations (HNDARK) measure dark levels in three gain states. The PCT cal (PCTRLT) calibrates NIMS in the visible bands. THe RCT cals (RCTRLT) calibrate NIMS in the thermal bands. THE OPCAL calibrates the NIMS grating.

Early Data Return

There are 15 realtime NIMS observations in G8: 3 instrument health checks of 3 wavelengths (HEALTH), 3 408 wavelength Jupiter Hotspot Observations (RTHOTS), 1 408 and 2 51 wavelength Europa observations (WARMCV, COOLCV and EURORT), 1 PCT calibration, 2 RCT calibrations, one OPCAL calibration and 2 Detector 3 checks (DET3AN).

G8 Playback

G8 playback is split into two passes through the tape.

G8 Time-Ordered Listing

OAPEL	Start (UTC)	End (UTC)	Duration
G8NNCHOPON01	97-126/05:17:17	97-126/05:23:21	000/00:06:04
G8CNGLOBAL01	97-126/05:23:24	97-126/05:55:46	000/00:32:21
G8NNHNDARK01	97-126/09:09:54	97-126/09:15:58	000/00:06:04
G8CNSPOLE 01	97-126/11:12:14	97-126/11:50:40	000/00:38:25
G8CNBURI__01	97-126/12:11:54	97-126/12:27:04	000/00:15:10
G8CNADLIND01	97-126/12:27:04	97-126/12:50:19	000/00:23:15
G8INTHRMAL01	97-126/17:44:33	97-126/17:48:36	000/00:04:02
G8CNGLOBAL02	97-126/17:52:38	97-126/18:29:02	000/00:36:24
G8INCHEMIS01	97-126/22:55:58	97-126/22:59:00	000/00:03:02
G8INTHRMAL02	97-126/22:59:00	97-126/23:01:02	000/00:02:01
G8JNAURMAP01	97-126/23:37:26	97-127/01:10:27	000/01:33:01
G8INCHEMIS02	97-127/02:39:26	97-127/02:43:28	000/00:04:02
G8INTHRMAL03	97-127/03:05:43	97-127/03:08:45	000/00:03:02
G8INCHEMIS03	97-127/03:08:45	97-127/03:10:46	000/00:02:01
G8NNHNDARK02	97-127/03:35:02	97-127/03:41:06	000/00:06:04
G8INCHEMIS07	97-127/07:15:28	97-127/07:20:31	000/00:05:03
G8INTHRMAL07	97-127/07:20:31	97-127/07:25:34	000/00:05:03
G8INVOLCAN01	97-127/07:25:34	97-127/07:28:36	000/00:03:02
G8INVOLCAN02	97-127/10:28:35	97-127/10:33:38	000/00:05:03
G8INVOLCAN03	97-127/10:33:38	97-127/10:38:42	000/00:05:03
G8INCHEMIS04	97-127/11:04:59	97-127/11:10:02	000/00:05:03
G8INTHRMAL04	97-127/11:11:03	97-127/11:16:06	000/00:05:03
G8INVOLCAN04	97-127/12:03:38	97-127/12:06:40	000/00:03:02
G8INVOLCAN05	97-127/12:06:40	97-127/12:09:42	000/00:03:02
G8NNNIMSLD01	97-127/13:06:19	97-127/13:16:26	000/00:10:06
G8GNOSIRIS01	97-127/13:17:26	97-127/13:30:35	000/00:13:08
G8GNURUK__01	97-127/14:35:18	97-127/14:55:31	000/00:20:13
G8GNTRANSI01	97-127/14:56:32	97-127/15:05:38	000/00:09:06
G8GNLIDARK01	97-127/15:06:38	97-127/15:13:43	000/00:07:04
G8GNMELCAR01	97-127/15:23:50	97-127/15:35:58	000/00:12:08
G8GNDARTRL01	97-127/15:36:58	97-127/15:48:06	000/00:11:07
G8INCHEMIS05	97-127/18:45:02	97-127/18:50:06	000/00:05:03
G8INTHRMAL05	97-127/18:51:06	97-127/18:54:08	000/00:03:02

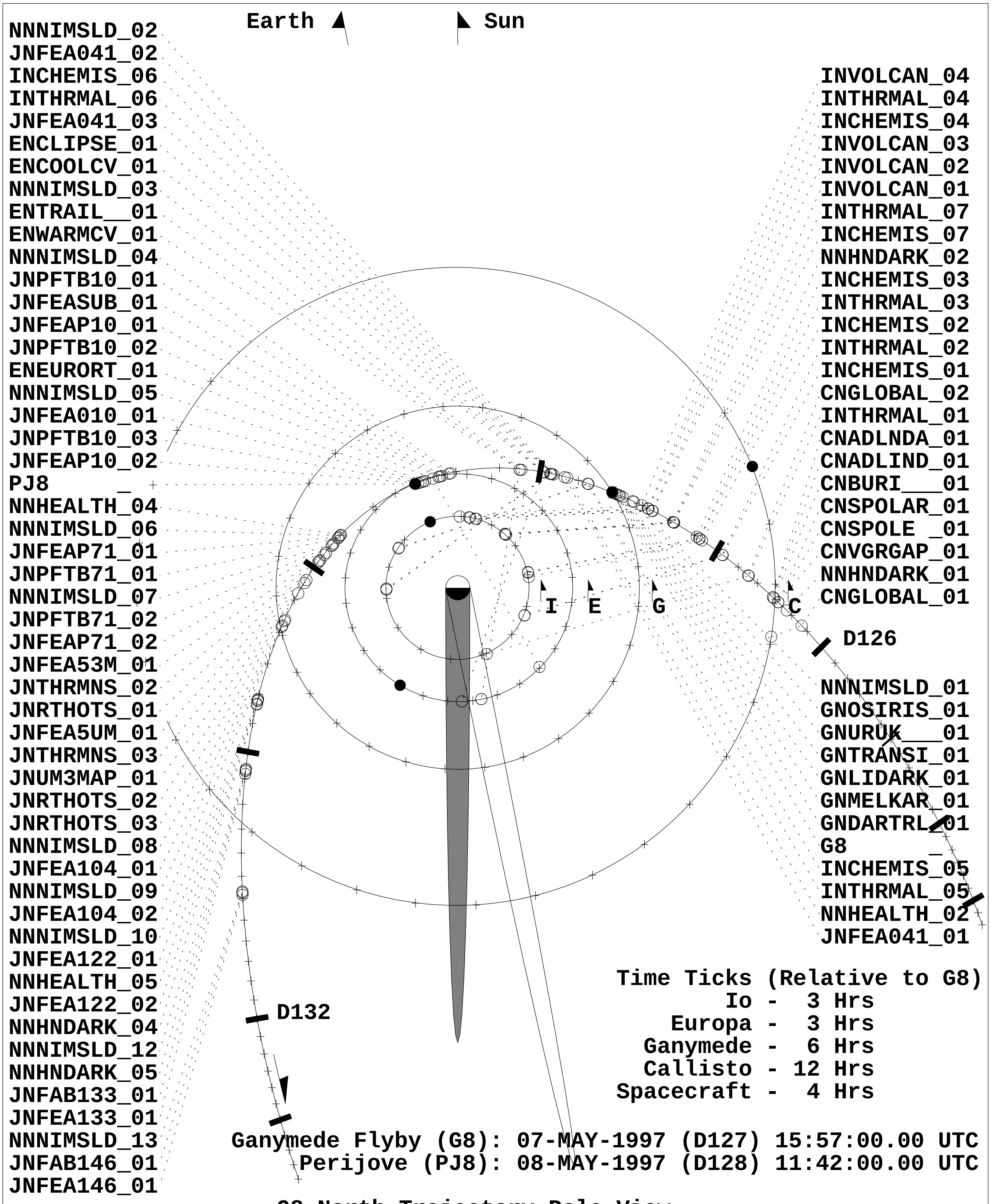
G8 Time-Ordered Listing

OAPEL	Start (UTC)	End (UTC)	Duration
G8NNHEALTH02	97-127/21:07:36	97-127/21:12:40	000/00:05:03
G8JNFEA04101	97-127/21:24:48	97-127/21:30:52	000/00:06:04
G8NNNIMSLD02	97-127/22:36:35	97-127/22:46:42	000/00:10:06
G8JNFEA04102	97-127/22:48:43	97-127/22:51:45	000/00:03:02
G8INCHEMIS06	97-127/22:51:45	97-127/22:56:48	000/00:05:03
G8INTHRMAL06	97-127/22:57:49	97-127/23:02:52	000/00:05:03
G8JNFEA04103	97-127/23:35:14	97-127/23:41:18	000/00:06:04
G8ENCLIPSE01	97-127/23:41:18	97-127/23:59:30	000/00:18:12
G8NNNIMSLD03	97-128/01:49:42	97-128/01:59:49	000/00:10:06
G8ENTRAIL_01	97-128/02:00:50	97-128/02:30:09	000/00:29:19
G8NNNIMSLD04	97-128/08:25:03	97-128/08:35:10	000/00:10:06
G8JNPFTB1001	97-128/08:36:10	97-128/08:47:18	000/00:11:07
G8JNFEASUB01	97-128/09:14:36	97-128/09:24:42	000/00:10:06
G8JNFEAP1001	97-128/09:25:43	97-128/09:32:48	000/00:07:04
G8JNPFTB1002	97-128/09:33:48	97-128/09:42:54	000/00:09:06
G8ENEURORT01	97-128/10:04:08	97-128/10:09:12	000/00:05:03
G8NNNIMSLD05	97-128/10:48:38	97-128/10:58:44	000/00:10:06
G8JNFEA01001	97-128/10:59:45	97-128/11:05:49	000/00:06:04
G8JNPFTB1003	97-128/11:12:54	97-128/11:22:00	000/00:09:06
G8JNFEAP1002	97-128/11:25:02	97-128/11:32:06	000/00:07:04
G8NNHEALTH04	97-128/19:52:37	97-128/19:57:40	000/00:05:03
G8NNNIMSLD06	97-128/19:58:40	97-128/20:08:47	000/00:10:06
G8JNFEAP7101	97-128/20:09:48	97-128/20:18:54	000/00:09:06
G8JNPFTB7101	97-128/20:18:54	97-128/20:28:00	000/00:09:06
G8NNNIMSLD07	97-128/20:57:19	97-128/21:07:26	000/00:10:06
G8JNPFTB7102	97-128/21:08:26	97-128/21:16:32	000/00:08:05
G8JNFEAP7102	97-128/21:16:32	97-128/21:22:36	000/00:06:04
G8JNFEA53M01	97-128/22:08:06	97-128/22:23:16	000/00:15:10
G8JNTHRMNS02	97-128/22:24:16	97-128/23:04:43	000/00:40:26
G8JNRTHOTS01	97-128/23:04:43	97-128/23:09:46	000/00:05:03
G8JNFEA5UM01	97-128/23:12:48	97-128/23:22:55	000/00:10:06
G8JNTHRMNS03	97-128/23:23:56	97-129/00:23:35	000/00:59:39
G8JNWINDOW01	97-129/00:24:36	97-129/06:33:39	000/06:09:03

<u>G8 Time-Ordered Listing</u>

OAPEL	Start (UTC)	End (UTC)	Duration
G8JNUM3MAP01	97-129/01:31:17	97-129/01:52:31	000/00:21:14
G8JNRTHOTS02	97-129/01:53:31	97-129/01:58:35	000/00:05:03
G8JNRTHOTS03	97-129/03:09:21	97-129/03:14:25	000/00:05:03
G8NNNIMSLD08	97-129/06:23:32	97-129/06:33:39	000/00:10:06
G8JNFEA10401	97-129/06:34:40	97-129/06:40:44	000/00:06:04
G8NNNIMSLD09	97-129/07:06:00	97-129/07:16:07	000/00:10:06
G8JNFEA10402	97-129/07:17:08	97-129/07:21:10	000/00:04:02
G8NNNIMSLD10	97-129/16:34:15	97-129/16:44:22	000/00:10:06
G8JNFEA12201	97-129/16:45:22	97-129/16:51:26	000/00:06:04
G8NNHEALTH05	97-129/16:52:27	97-129/16:57:30	000/00:05:03
G8JNFEA12202	97-129/17:15:42	97-129/17:21:46	000/00:06:04
G8NNHNDARK04	97-129/17:22:47	97-129/17:28:51	000/00:06:04
G8NNNIMSLD12	97-130/02:31:49	97-130/02:41:56	000/00:10:06
G8NNHNDARK05	97-130/02:43:57	97-130/02:50:01	000/00:06:04
G8JNFAB13301	97-130/02:52:02	97-130/03:04:10	000/00:12:08
G8JNFEA13301	97-130/03:17:19	97-130/03:21:22	000/00:04:02
G8NNNIMSLD13	97-130/22:41:06	97-130/22:51:13	000/00:10:06
G8JNFAB14601	97-130/22:53:14	97-130/23:03:21	000/00:10:06
G8JNFEA14601	97-130/23:17:30	97-130/23:21:33	000/00:04:02
G8NNCHOPOF01	97-130/23:22:34	97-130/23:28:38	000/00:06:04
G8NNPCTRLT01	97-133/19:35:00	97-134/03:25:10	000/07:50:10
G8NNRCTRLT01	97-134/05:38:09	97-134/18:53:54	000/13:15:44
G8NNRCTRLT02	97-157/07:38:25	97-157/20:54:09	000/13:15:44
G8NNOPCAL_01	97-166/16:00:22	97-166/16:22:37	000/00:22:14
G8NNDET3AN01	97-169/08:37:00	97-169/10:23:00	000/01:46:00

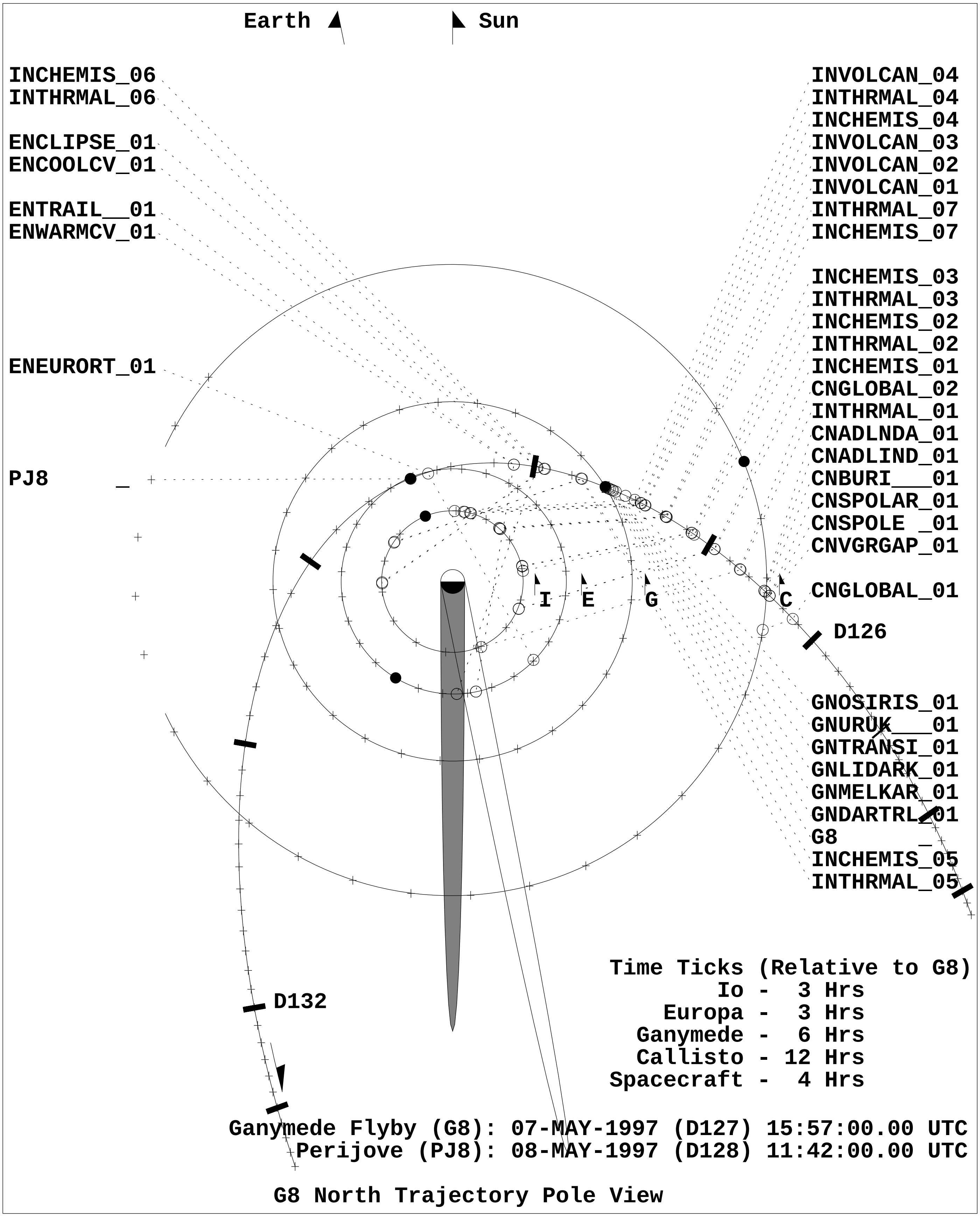
NIMS G8 OBSERVATIONS



G8 North Trajectory Pole View

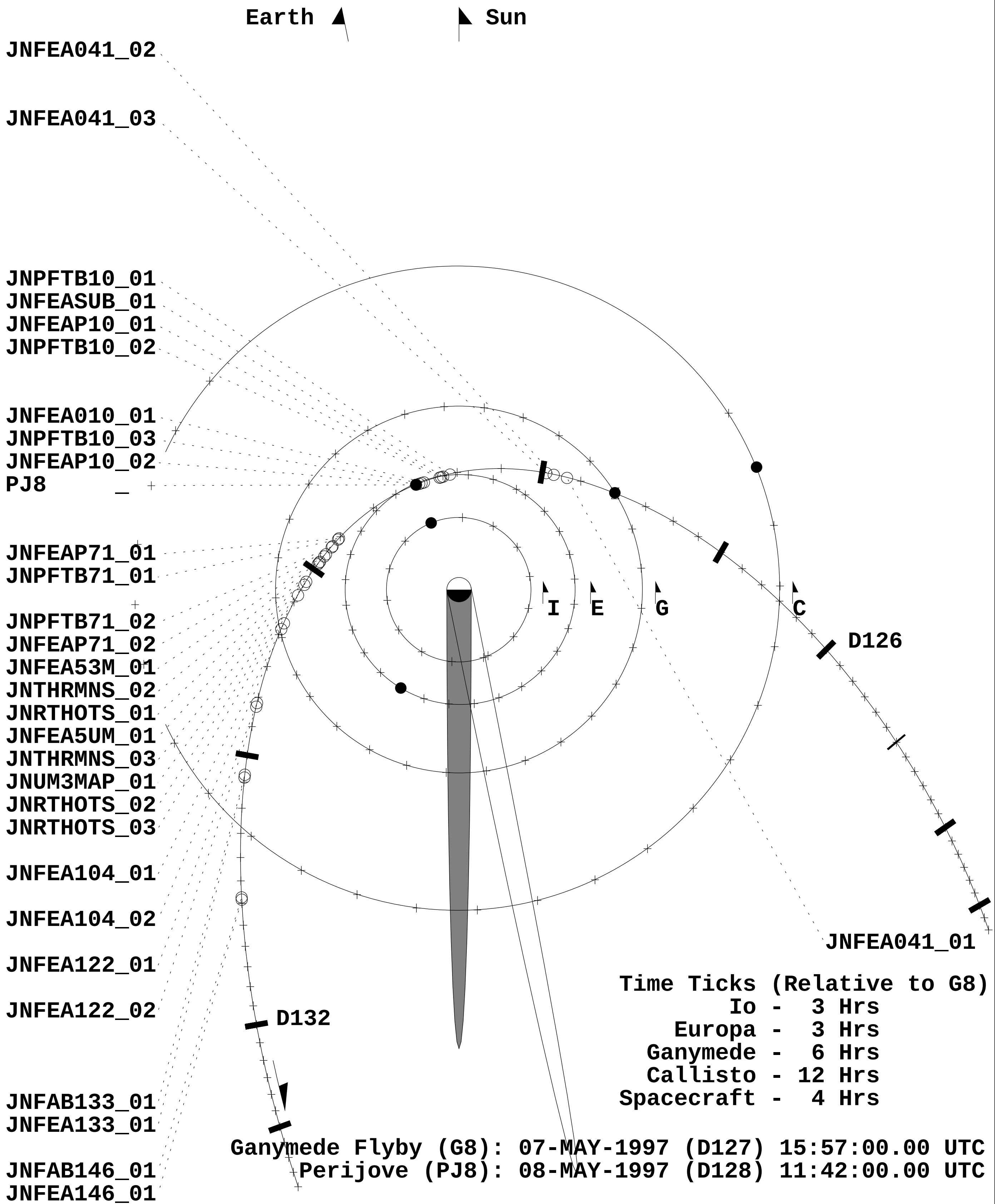
NIMS - FEL - 02/20/98

NIMS G8 SATELLITE OBSERVATIONS



NIMS - FEL - 02/20/98

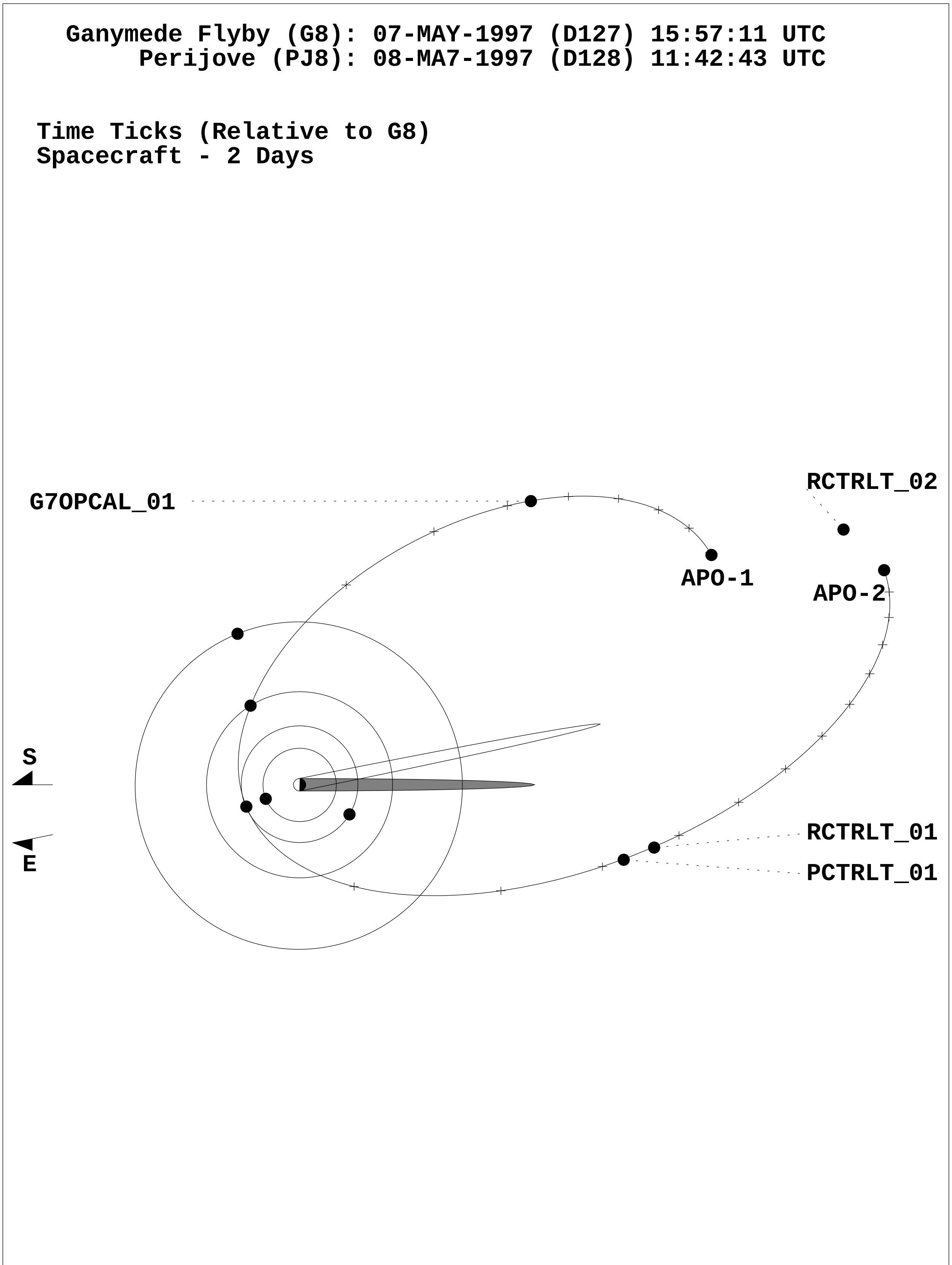
NIMS G8 JUPITER OBSERVATIONS



G8 North Trajectory Pole View

NIMS - FEL - 02/20/98

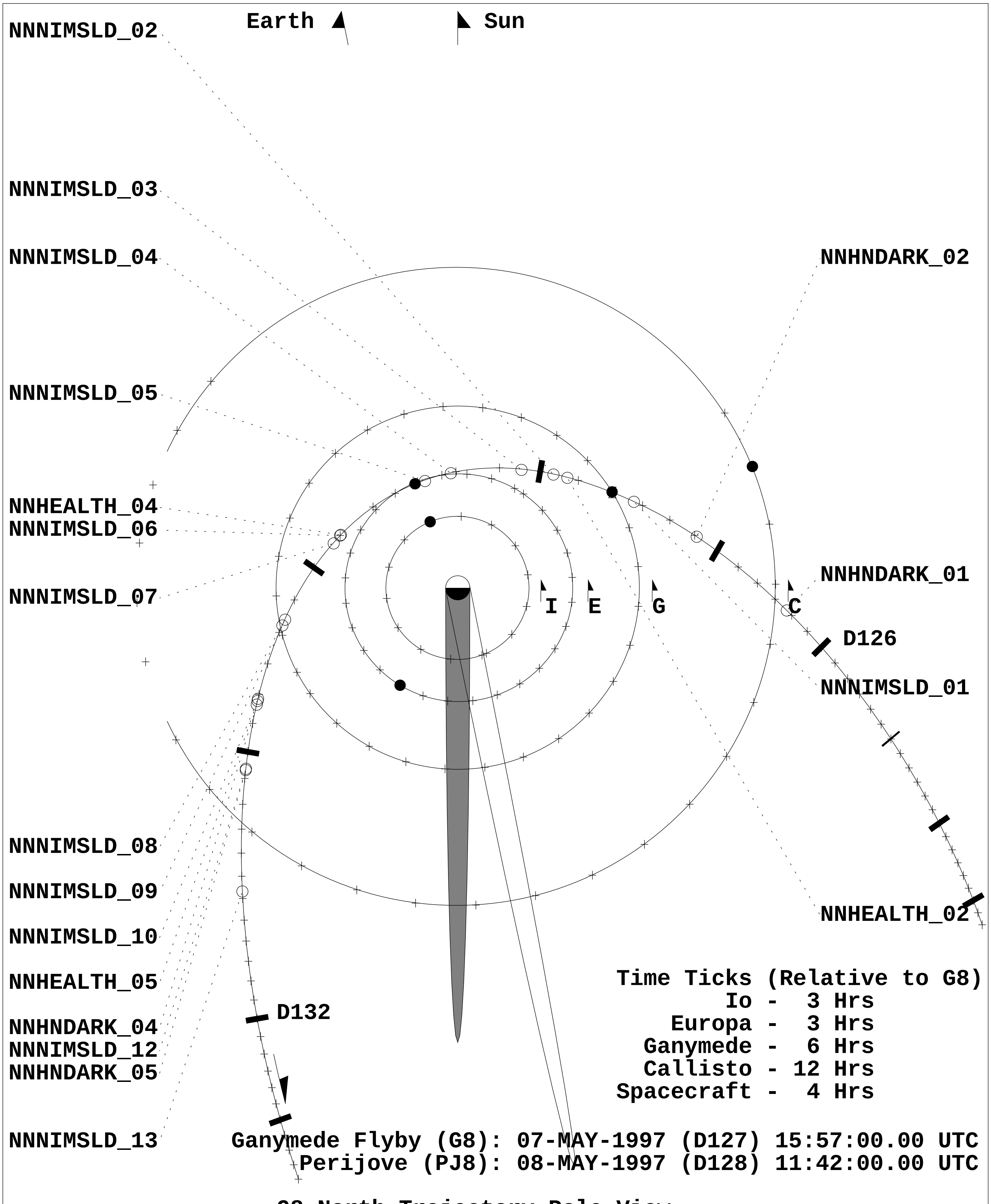
NIMS G8 CALIBRATIONS



G8 North Trajectory Pole View, Apoapsis to Apoapsis

NIMS - FEL - 02/20/98

NIMS G8 RELOADS



G8 North Trajectory Pole View

NIMS - FEL - 02/20/98

G8 NIMS INPUTS

Activity ID	Observation Title	NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating Start Position	Grating Offset	Record Format	PSID
G8NNCHOPON01-	NIMS Chopper turn on to Reference								FW
G8CNGLOBAL01-	CALLISTO GLOBAL COVERAGE	CLM244B	CLM216B	LM	4	0	4	LPU	DA
G8HNDARK__01-	Dark Observation	G8DRK34	G8DRK32	LM	4	0	4	MPW	DB
G8CNSPOLE 01-	CALLISTO SOUTH POLE OBSERVATION	G8CFM102B	G8CFM96B	FM	4	0	4	LPU	DC
G8CNBURI 01-	BURI CRATER COVERAGE	G8CLM244B	G8CLM216B	LM	4	0	4	LPU	DD
G8CNADLIND01-	ADLINDA AREA COVERAGE	G8CLM244B	G8CLM216B	LM	4	0	4	LPU	DE
G8INTHRMAL01-	MONITORING OF IO'S NIGHTSIDE	G8ILMDK244C	G8ILMDK228C	LM	4	0	4	LPU	DG
G8CNGLOBAL02-	CALLISTO GLOBAL COVERAGE	G8CLM244B	G8CLM216B	LM	4	0	4	LPU	DF
G8INCHEMIS01-	MONITORING OF IO'S DAYSIDE	G8ILM244B	G8ILM216B	LM	2	0	4	LPU	DH
G8INTHRMAL02-	MONITORING OF IO'S NIGHTSIDE	G8ILMDK244C	G8ILMDK228C	LM	4	0	4	LPU	DI
G8INCHEMIS02-	MONITORING OF IO'S DAYSIDE	G8ILM244B	G8ILM216B	LM	2	0	4	LPU	DJ
G8INTHRMAL03-	MONITORING OF IO'S NIGHTSIDE	G8ILMDK244C	G8ILMDK228C	LM	4	0	4	LPU	DL
G8INCHEMIS03-	MONITORING OF IO'S DAYSIDE	G8ILM244B	G8ILM228B	LM	2	0	4	LPU	DM
G8HNDARK__02-	NIMS Dark Observation	G8DRK34	G8DRK32	LM	2	0	4	LPU	DK
G8INTHRMAL07-	MONITORING OF IO'S NIGHTSIDE	G8ILMDK244C	G8ILMDK228C	LM	4	0	4	LPU	DO
G8INVOLCAN01-	MONITORING OF SELECTED VOLCANIC REGIONS	G8ILMDK244B	G8ILMDK228B	LM	4	0	4	LPU	DP
G8INVOLCAN02-	MONITORING OF SELECTED VOLCANIC REGIONS	G8ILMDK244B	G8ILMDK102B	LM	4	0	4	LPU	DQ
G8INVOLCAN03-	MONITORING OF SELECTED VOLCANIC REGIONS	G8ILMDK244B	G8ILMDK216B	LM	4	0	4	LPU	DR
G8INCHEMIS04-	MONITORING OF IO'S DAYSIDE	G8ILM244B	G8ILM216B	LM	2	0	4	LPU	DS
G8INTHRMAL04-	MONITORING OF IO'S NIGHTSIDE	G8ILMDK244C	G8ILMDK216C	LM	4	0	4	LPU	DT
G8INVOLCAN04-	MONITORING OF SELECTED VOLCANIC REGIONS	G8ILMDK244B	G8ILMDK216B	LM	4	0	4	LPU	DU
G8NNNIMSLD01-	NIMS Software Reload								
G8GNOSIRIS01-	Central Dome Crater OSIRIS Area	G8GLM244J	G8GLM216J	LM	3	0	4	LPU	DW
G8GNURUK__01-	Uruk Sulcus & Craters & Grooves Furrow	G8GLM244J	G8GLM216J	LM	3	0	4	LPU	DY
G8GNTRANSI01-	Transition boundary Sulcus and Grooves	G8GLM244J	G8GLM216J	LM	3	0	4	LPU	DZ
G8GNLIDARK01-	Lite Dark Material	G8GLM244J	G8GLM228J	LM	3	0	4	LPU	EA
G8GNMELKAR01-	Ganymede MELKAR observation	G8GLM244J	G8GLM216J	LM	3	0	4	LPU	LA
G8GNDARTRL01-	Dark material in Marius Regio Trail Hem	G8GLM442	G8GLM360	LM	3	0	4	MPW	EC
G8INCHEMIS05-	MONITORING OF IO'S DAYSIDE	G8ILM244B	G8ILM216B	LM	2	0	4	LPU	ED
G8INTHRMAL05-	MONITORING OF IO'S NIGHTSIDE	G8ILMDK244C	G8ILMDK216C	LM	4	0	4	LPU	EE
G8NNHEALTH02-	G8 NIMS Health Observation	G8RCVY3	R/T	LM	2	0	4	R/T	
G8JNFEA04101-	Jupiter Feature Track 41 deg phase pt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU	EH
G8NNNIMSLD02-	NIMS Software Reload								
G8JNFEA04102-	Jupiter Feature Track 41 deg phase pt 2	G8JFT68C	G8JFT25A	SM	2	1	4	LPU	EI
G8INCHEMIS06-	MONITORING OF IO'S DAYSIDE	G8ILM244B	G8ILM216B	LM	2	0	4	LPU	EF
G8INTHRMAL06-	MONITORING OF IO'S NIGHTSIDE	G8ILMDK244C	G8ILMDK216C	LM	4	0	4	LPU	EG
G8JNFEA04103-	Jupiter Feature Track 41 deg phase pt 3	G8JFT68C	G8JFT68C	SM	2	1	4	LPU	EJ

5/13/97

J Shirley

G8 NIMS INPUTS

Activity ID	Observation Title	NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating Start Position	Grating Offset	Record Format	PSID
G8ENCLIPSE01-	Europa Eclipse	G8ESM51B	G8JFT68C	SM	4	1	4	LPU	EK
G8ENCOOLCV01-	Europa Coolcv	G8ESM51B	G8JFT68C	SM	4	1	4	R/T	EK
G8NNNIMSLD03-	NIMS Software Reload		G8JFT68C						
G8ENTRAIL_01-	Europa Trailing Hemisphere	G8ESM51B	G8JFT68C	SM	4	1	4	LPU	EL
G8ENWARMCV01-	Europa Warmcv	G8ESM51B	G8JFT68C	SM	4	1	4	R/T	EL
G8NNNIMSLD04-	NIMS Software Reload		G8JFT68C						
G8JNPFTB1001-	Jupiter Partial Ftr Trk B 10 deg prt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU	EM
G8JNFEASUB01-	Jupiter Campaign Feature sub-spectra	G8JSB253A	G8JSB253A	LM	2	0	4	LPU	EO
G8JNFEAP1001-	Jupiter Ftr and Prtl Trk 10 deg prt 1	G8JFT68C	G8JFT25A	SM	2	1	4	LPU	EP
G8JNPFTB1002-	Jupiter Partial Ftr Trk B 10 deg prt 2	JFT68C	G8JFT25A	SM	2	1	4	LPU	EQ
G8ENEURORT01-	NIMS Europa Real-Time Observation	G8ELM442/MB	R/T	LM	4	0	4	R/T	SB
G8NNNIMSLD05-	NIMS Software Reload								
G8JNFEA01001-	Jupiter Feature Track 10 deg phase	G8JFT68C	G8JFT25A	SM	2	1	4	LPU	ER
G8JNPFTB1003-	Jupiter Partial Ftr Trk B 10 deg prt 3	G8JFT68C	G8JFT25A	SM	2	1	4	LPU	ES
G8JNFEAP1002-	Jupiter Ftr and Prtl Trk deg prt 2	G8JFT68C	G8JFT68C	SM	2	1	4	LPU	ET
G8NNHEALTH04-	G8 NIMS Health Observation	G8RCVY3	G8JFT68C	LM	2	0	4	R/T	
G8NNNIMSLD06-	NIMS Software Reload		G8JFT68C						
G8JNFEAP7101-	Jupiter ftr and Prtl Trk 71 deg prt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU	EU
G8JNPFTB7101-	Jupiter Partial Ftr Trk B 71 deg prt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU	EV
G8NNNIMSLD07-	NIMS Software Reload		G8JFT68C						
G8JNPFTB7102-	Jupiter Partial Ftr Trk B 71 deg prt 2	G8JFT68C	G8JFT68C	SM	2	1	4	LPU	EW
G8JNFEAP7102-	Jupiter Ftr and Prtl Trk 71 deg part 2	G8JFT68C	G8JFT68C	SM	2	1	4	LPU	EX
G8JNFEA53M01-	Jupiter Campaign Feature 5 and 3 um Map	G8J35157	G8J35157	LM	4	0	4	LPU	EZ
G8JNTHRMNS02-	Jupiter Thermal North South Stripe prt 2	G8J35157	G8J35157	LM	4	0	4	LPU	FA
G8JNRTHOTS01-	NIMS Jupiter Real-Time Observation	G8JLM442/MB	G8JLM442/MB	LM	4	0	4	R/T	FT
G8JNFEA5UM01-	Jupiter Feature Track 5 Micron Map 2	G8J35157	G8J35157	LM	4	0	4	LPU	FB
G8JNTHRMNS03-	Jupiter Thermal North South Stripe prt 3	G8J35157	G8J35157	LM	4	0	4	LPU	FC
G8JNUM3MAP01-	Three Micron Hotspot Spectral Map	J3M253A	J3M40A	LM	4	0	4	LPU	FE
G8JNRTHOTS02-	NIMS Jupiter Real-Time Observation	G8JLM442/MB	R/T	LM	4	0	4	R/T	FU
G8JNRTHOTS03-	NIMS Jupiter Real-Time Observation	G8JLM442/MB	R/T	LM	4	0	4	R/T	FV
G8NNNIMSLD08-	NIMS Software Reload								
G8JNFEA10401-	Jupiter Feature Track 104 deg phase pt 1	G8JFT68C	G8JFT25A	SM	2	1	4	LPU	FF
G8NNNIMSLD09-	NIMS Software Reload								
G8JNFEA10402-	Jupiter Feature Track 104 deg phase pt 2	G8JFT68C	G8JFT68C	SM	2	1	4	LPU	FH
G8NNNIMSLD10-	NIMS Software Reload								
G8JNFEA12201-	Jupiter Feature Track 122 deg phs pt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU	FI
G8NNHEALTH05-	G8 NIMS Health Observation	G8RCVY3	R/T	LM	2	0	4	R/T	

G8 NIMS INPUTS

Activity ID	Observation Title	NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating Start Position	Grating Offset	Record Format	PSID
G8JNFEA12202-	Jupiter Feature Track 122 deg phs pt 2	G8JFT68C	G8JFT25A	SM	2	1	4	LPU	FJ
G8HNDARK__04-	NIMS Dark Observation	G8DRK34	G8DRK32	LM	4	0	4	LPU	FG
G8NNNIMSLD12-	NIMS Software Reload								
G8HNDARK__05-	NIMS Dark Observation	G8DRK34	G8DRK32	LM	3	0	4	LPU	FK
G8JNFAB13301-	Jupiter Ftr and Prtl Trk A and B 133 deg	G8JFT68C	G8JFT25A	SM	2	1	4	LPU	FL
G8JNFEA13301-	Jupiter Feature Track 133 deg phs pt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU	FM
G8NNNIMSLD13-	NIMS Software Reload								
G8JNFAB14601-	Jupiter Ftr and Prtl Trks A and B 146 de	G8JFT68C	G8JFT25A	SM	2	1	4	LPU	FN
G8JNFEA14601-	Jupiter Feature Track 146 deg phase pt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU	FO
G8NNCHOPOF01									
G8NNPCTRLT01-	NIMS Real-Time PCT Calibration	G8PCT252	R/T	LM	4	0	4	R/T	DX
G8NNRCTRLT01-	NIMS Real-Time RCT Calibration	G8RCT252	R/T	LM	1	0	4	R/T	FP
G8NNRCTRLT02-	NIMS Real-Time RCT Calibration	G8RCT252	R/T	LM	1	0	4	R/T	FQ
G8NNOPCAL_01	NIMS OPCAL	G8OPCAL120	R/T	LM	4	0	4	R/T	DA

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NIMS G8 RESOURCES

ACTID	NIMS mode	Record mode	Obs. Cost (tracks)	Number l return	Obs. cost Tics	Observation Record Time (sec)	Observation Playback Time (sec)	Total Bits of Tape BOT (Mbit)
G8CNGLOBAL01-	LM	LPU	0.0712	216	496.741048	2110.67	701.00	**13.02**
G8HNDARK__01	LM	MPW	0.0080	32	56.1129	61.00	61.00	**0.70**
G8CNSPOLE 01-	FM	LPU	0.0713	96	497.0528	2112.00	600.00	**13.03**
G8CNBURI 01-	LM	LPU	0.0220	216	153.579448	646.67	646.67	**3.99**
G8CNADLIND01-	LM	LPU	0.0378	216	263.902152	1117.33	557.00	**6.89**
G8INTHRMAL01-	LM	LPU	0.0015	228	10.126648	34.67	34.67	**0.21**
G8CNGLOBAL02-	LM	LPU	0.0676	216	471.2688	2002.00	420.00	**12.35**
G8INCHEMIS01-	LM	LPU	0.0022	216	15.5952	58.00	58.00	**0.36**
G8INTHRMAL02-	LM	LPU	0.0019	228	13.2512	48.00	48.00	**0.30**
G8INCHEMIS02-	LM	LPU	0.0023	216	16.064	60.00	60.00	**0.37**
G8INTHRMAL03-	LM	LPU	0.0020	228	14.031752	51.33	51.33	**0.32**
G8INCHEMIS03-	LM	LPU	0.0025	216	17.313352	65.33	65.33	**0.40**
G8HNDARK__02	LM	LPU	0.0023	32	16.2984	61.00	61.00	**0.38**
G8INTHRMAL07-	LM	LPU	0.0023	228	15.906952	59.33	59.33	**0.37**
G8INVOLCAN01-	LM	LPU	0.0022	228	15.283448	56.67	56.67	**0.35**
G8INVOLCAN02-	LM	LPU	0.0020	216	14.031752	51.33	51.33	**0.32**
G8INVOLCAN03-	LM	LPU	0.0026	216	17.9392	68.00	68.00	**0.42**
G8INCHEMIS04-	LM	LPU	0.0023	216	16.064	60.00	60.00	**0.37**
G8INTHRMAL04-	LM	LPU	0.0022	216	15.5952	58.00	58.00	**0.36**
G8INVOLCAN04-	LM	LPU	0.0074	216	51.224	210.00	202.68	**1.30**
G8GNOSIRIS01-	LM	LPU	0.0230	216	160.297352	675.33	336.00	**4.17**
G8GNURUK__01-	LM	LPU	0.0404	216	282.108	1195.00	873.00	**7.37**
G8GNTRANSI01-	LM	LPU	0.0155	216	107.791752	451.33	451.33	**2.78**
G8GNLIDARK01-	LM	LPU	0.0121	216	84.351752	351.33	351.33	**2.17**
G8GNMELKAR01-	LM	LPU	0.0174	216	121.234592	508.68	508.68	**3.14**
G8GNDARTRL01-	LM	MPW	0.0509	360	355.228937	401.33	200.00	**4.62**
G8INCHEMIS05-	LM	LPU	0.0022	216	15.283448	56.67	56.67	**0.35**
G8INTHRMAL05-	LM	LPU	0.0020	216	14.031752	51.33	51.33	**0.32**
G8NNHEALTH02-	LM	R/T						
G8JNFEA04101-	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**
G8JNFEA04102-	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**
G8INCHEMIS06-	LM	LPU	0.0028	216	19.502648	74.67	74.67	**0.46**
G8INTHRMAL06-	LM	LPU	0.0020	216	14.031752	51.33	51.33	**0.32**
G8JNFEA04103-	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**
G8ENCLIPSE01-	SM	LPU	0.0023	51	16.064	60.00	60.00	**0.37**

NIMS G8 RESOURCES

ACTID	NIMS mode	Record mode	Obs. Cost (tracks)	Number l return	Obs. cost Tics	Observation Record Time (sec)	Observation Playback Time (sec)	Total Bits of Tape BOT (Mbit)
G8ENCOOLCV01-	SM	R/T						
G8ENTRAIL_01-	SM	LPU	0.0023	51	16.064	60.00	60.00	**0.37**
G8ENWARMCV 01-	SM	R/T						
G8JNPFTB1001-	SM	LPU	0.0144	68	100.448	420.00	420.00	**2.59**
G8JNFEASUB01-	LM	LPU	0.0124	253	86.384	360.00	180.00	**2.22**
G8JNFEAP1001-	SM	LPU	0.0104	68	72.32	300.00	300.00	**1.85**
G8JNPFTB1002-	SM	LPU	0.0144	68	100.448	420.00	420.00	**2.59**
G8JNEURORT01-	LM	R/T		68				
G8JNFEA01001-	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**
G8JNPFTB1003-	SM	LPU	0.0144	68	100.448	420.00	420.00	**2.59**
G8JNFEAP1002-	SM	LPU	0.0104	68	72.32	300.00	300.00	**1.85**
G8NNHEALTH04-	LM	R/T		68				
G8JNFEAP7101-	SM	LPU	0.0104	68	72.32	300.00	300.00	**1.85**
G8JNPFTB7101-	SM	LPU	0.0144	68	100.448	420.00	420.00	**2.59**
G8JNPFTB7102-	SM	LPU	0.0144	68	100.448	420.00	420.00	**2.59**
G8JNFEAP7102-	SM	LPU	0.0104	68	72.32	300.00	300.00	**1.85**
G8JNFEA53M01-	LM	LPU	0.0125	157	86.8528	362.00	362.00	**2.23**
G8JNTHRMNS02-	LM	LPU	0.0185	157	129.2011448	542.67	271.00	**3.35**
G8JNRTHOTS01-	LM	R/T						
G8JNFEA5UM01-	LM	LPU	0.0124	157	86.384	360.00	360.00	**2.22**
G8JNTHRMNS03-	LM	LPU	0.1165	157	812.5552	3458.00	1738.00	**21.33**
G8JNUM3MAP01-	LM	LPU	0.0390	40	272.185848	1152.67	1152.67	**7.11**
G8JNRTHOTS02-	LM	R/T						
G8JNRTHOTS03-	LM	R/T						
G8JNFEA10401-	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**
G8JNFEA10402-	SM	LPU	0.0037	68	25.44	100.00	48.67	**0.62**
G8JNFEA12201-	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**
G8NNHEALTH05-	LM	R/T						
G8JNFEA12202-	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**
G8HNDARK__04	LM	LPU	0.0023	32	16.2984	61.00	61.00	**0.38**
G8HNDARK__05	LM	LPU	0.0023	32	16.2984	61.00	61.00	**0.38**
G8JNFAB13301-	SM	LPU	0.0166	68	115.761352	485.33	485.33	**2.99**
G8JNFEA13301-	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**
G8JNFAB14601-	SM	LPU	0.0125	68	87.0872	363.00	363.00	**2.24**
G8JNFEA14601-	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**
G8NNPCTRLT01								

NIMS G8 RESOURCES

ACTID	NIMS mode	Record mode	Obs. Cost (tracks)	Number l return	Obs. cost Tics	Observation Record Time (sec)	Observation Playback Time (sec)	Total Bits of Tape BOT (Mbit)
G8NNRCTRLT01								
G8NNRCTRLT02								
G8NNOPCAL_01								
G8CNGLOBAL01-	LM	LPU	0.0712	216	496.741048	2110.67	1374.00	**13.02**
G8CNSPOLE 01-	FM	LPU	0.0713	96	497.0528	2112.00	1275.00	**13.03**
G8CNADLIND01-	LM	LPU	0.0378	216	263.902152	1117.33	560.00	**6.89**
G8CNGLOBAL02-	LM	LPU	0.0676	216	471.2688	2002.00	827.00	**12.35**
G8INCHEMIS03-	LM	LPU	0.0025	216	17.313352	65.33	65.33	**0.40**
G8INCHEMIS07-	LM	MPW	0.0097	360	68.127463	74.67	74.67	**0.86**
G8INVOLCAN02-	LM	LPU	0.0020	216	14.031752	51.33	51.33	**0.32**
G8GNOSIRIS01-	LM	LPU	0.0230	216	160.297352	675.33	337.00	**4.17**
G8GNURUK__01-	LM	LPU	0.0404	216	282.108	1195.00	267.00	**7.37**
G8GNLIDARK01-	LM	LPU	0.0121	216	84.351752	351.33	351.33	**2.17**
G8GNDARTRL01-	LM	MPW	0.0509	360	355.228937	401.33	200.00	**4.62**
G8JNFEA04102-	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**
G8ENTRAIL_01-	SM	LPU	0.0023	51	16.064	60.00	60.00	**0.37**
G8JNFEASUB01-	LM	LPU	0.0124	253	86.384	360.00	180.00	**2.22**
G8JNFEAP1001-	SM	LPU	0.0104	68	72.32	300.00	300.00	**1.85**
G8JNPFTB1002-	SM	LPU	0.0144	68	100.448	420.00	420.00	**2.59**
G8JNEURORT01-	LM	R/T		68				
G8JNFEA01001-	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**
G8JNPFTB1003-	SM	LPU	0.0144	68	100.448	420.00	420.00	**2.59**
G8JNFEAP7101-	SM	LPU	0.0104	68	72.32	300.00	300.00	**1.85**
G8JNPFTB7102-	SM	LPU	0.0144	68	100.448	420.00	420.00	**2.59**
G8JNTHRMNS02-	LM	LPU	0.0185	157	129.2011448	542.67	268.00	**3.35**
G8JNTHRMNS03-	LM	LPU	0.1165	157	812.5552	3458.00	1746.00	**21.33**
G8JNFEA10401-	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**
G8JNFEA12202-	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**
G8JNFAB13301-	SM	LPU	0.0166	68	115.761352	485.33	485.33	**2.99**
G8JNFEA13301-	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**
G8JNFAB14601-	SM	LPU	0.0125	68	87.0872	363.00	363.00	**2.24**
Total			**0.8819**		**6148.300582**			**153.18**
Allocated								
Oversubscribed								

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NIMS G8 RESOURCES

ACTID	Selected Bits of Tape sBOT (Mbit)	Mode cycle time (sec)	AACS Mbits compress 2.5	RT BTG (Mbits)	Thresh.	Comp.	Total BTG (w 4% overhead)	Data Reduct. Factor (sBOT/BTG)	Pass
G8CNGLOBAL01-	**4.32**	8.667	0.12		2	2.20	1.65	2.62	1,2
G8HNDARK__01	**0.70**	8.667	0.00		0	2.30	0.02	34.50	1
G8CNSPOLE 01-	**3.70**	4.333	0.12		0	1.70	1.63	2.28	1,2
G8CNBURI 01-	**3.99**	8.667	0.04		0	1.70	1.97	2.02	1
G8CNADLIND01-	**3.44**	8.667	0.06		0	1.70	1.70	2.02	1,2
G8INTHRMAL01-	**0.21**	8.667	0.00		2	2.20	0.09	2.48	1
G8CNGLOBAL02-	**2.59**	8.667	0.12		2	2.20	0.99	2.62	1,2
G8INCHEMIS01-	**0.36**	8.667	0.00		2	1.25	0.24	1.49	1
G8INTHRMAL02-	**0.30**	8.667	0.00		2	2.20	0.12	2.48	1
G8INCHEMIS02-	**0.37**	8.667	0.00		2	1.25	0.25	1.49	1
G8INTHRMAL03-	**0.32**	8.667	0.00		2	2.20	0.13	2.48	1
G8INCHEMIS03-	**0.40**	8.667	0.00		2	1.25			2
G8HNDARK__02	**0.38**	8.667	0.00		0	2.30	0.02	18.47	1
G8INTHRMAL07-	**0.37**	8.667	0.00		2	2.20	0.15	2.48	1
G8INVOLCAN01-	**0.35**	8.667	0.00		2	3.50	0.09	3.95	1
G8INVOLCAN02-	**0.32**	8.667	0.00		2	3.50			2
G8INVOLCAN03-	**0.42**	8.667	0.00		2	3.50	0.10	4.16	1
G8INCHEMIS04-	**0.37**	8.667	0.00		2	1.25	0.25	1.49	1
G8INTHRMAL04-	**0.36**	8.667	0.00		2	2.20	0.14	2.62	1
G8INVOLCAN04-	**1.25**	8.667	0.01		2	3.50	0.30	4.16	1
G8GNOSIRIS01-	**2.07**	8.667	0.04		0	1.80	0.97	2.14	1,2
G8GNURUK__01-	**5.38**	8.667	0.07		0	1.80	2.51	2.14	1,2
G8GNTRANSI01-	**2.78**	8.667	0.03		0	1.80	1.30	2.14	1
G8GNLIDARK01-	**2.17**	8.667	0.02		0	1.80			2
G8GNMELKAR01-	**3.14**	8.667	0.03		0	1.80	1.46	2.14	1
G8GNDARTRL01-	**2.30**	8.667	0.02		0	1.80	0.96	2.40	1,2
G8INCHEMIS05-	**0.35**	8.667	0.00		2	1.25	0.24	1.49	1
G8INTHRMAL05-	**0.32**	8.667	0.00		2	2.20	0.12	2.62	1
G8NNHEALTH02-				0.001					
G8JNFEA04101-	**0.62**	2.33	0.01		0	1.80	0.34	1.83	1
G8JNFEA04102-	**0.62**	2.33	0.01		0	1.80			2
G8INCHEMIS06-	**0.46**	8.667	0.00		2	1.25	0.31	1.49	1
G8INTHRMAL06-	**0.32**	8.667	0.00		2	2.20	0.12	2.62	1
G8JNFEA04103-	**0.62**	2.33	0.01		0	1.80	0.34	1.83	1
G8ENCLIPSE01-	**0.37**	2.33	0.00		0	2.00			1

NIMS G8 RESOURCES

ACTID	Selected Bits of Tape sBOT (Mbit)	Mode cycle time (sec)	AACS Mbits compress 2.5	RT BTG (Mbits)	Thresh.	Comp.	Total BTG (w 4% overhead)	Data Reduct. Factor (sBOT/BTG)	Pass
G8ENCOOLCV01-				0.160	0				1
G8ENTRAIL_01-	**0.37**	2.33	0.00		0	2.00			1
G8ENWARMCV 01-				0.160	0				2
G8JNPFTB1001-	**2.59**	2.33	0.02		0	1.80	1.42	1.83	1
G8JNFEASUB01-	**1.11**	8.667	0.02		0	1.80	0.61	1.83	1,2
G8JNFEAP1001-	**1.85**	2.33	0.02		0	1.80			2
G8JNPFTB1002-	**2.59**	2.33	0.02		0	1.80			2
G8JNEURORT01-				0.016	0				
G8JNFEA01001-	**0.62**	2.33	0.01		0	1.80			2
G8JNPFTB1003-	**2.59**	2.33	0.02		0	1.80			2
G8JNFEAP1002-	**1.85**	2.33	0.02		0	1.80	1.01	1.83	1
G8NNHEALTH04-				0.001	0				
G8JNFEAP7101-	**1.85**	2.33	0.02		0	1.80			2
G8JNPFTB7101-	**2.59**	2.33	0.02		0	1.80	1.42	1.83	1
G8JNPFTB7102-	**2.59**	2.33	0.02		0	1.80			2
G8JNFEAP7102-	**1.85**	2.33	0.02		0	1.80	1.01	1.83	1
G8JNFEA53M01-	**2.23**	8.667	0.02		0	1.30	1.05	2.13	1
G8JNTHRMNS02-	**1.67**	8.667	0.03		0	1.30	0.79	2.13	1,2
G8JNRTHOTS01-				0.016	0				
G8JNFEA5UM01-	**2.22**	8.667	0.02		0	1.30	1.04	2.13	1
G8JNTHRMNS03-	**10.72**	8.667	0.20		0	1.30	5.04	2.13	1,2
G8JNUM3MAP01-	**7.11**	8.667	0.07		0	1.30	0.85	8.35	1
G8JNRTHOTS02-				0.016	0				
G8JNRTHOTS03-				0.016	0				
G8JNFEA10401-	**0.62**	2.33	0.01		0	1.80			2
G8JNFEA10402-	**0.30**	2.33	0.01		0	1.80	0.16	1.83	1
G8JNFEA12201-	**0.62**	2.33	0.01		0	1.80	0.34	1.83	1
G8NNHEALTH05-				0.001	0				
G8JNFEA12202-	**0.62**	2.33	0.01		0	1.80			2
G8HNDARK__04	**0.38**	8.667	0.00		0	2.30	0.02	18.47	1
G8HNDARK__05	**0.38**	8.667	0.00		0	2.30	0.02	18.47	1
G8JNFAB13301-	**2.99**	2.33	0.03		0	1.80			2
G8JNFEA13301-	**0.62**	2.33	0.01		0	1.80	0.34	1.83	1
G8JNFAB14601-	**2.24**	2.33	0.02		0	1.80			2
G8JNFEA14601-	**0.62**	2.33	0.01		0	1.80	0.34	1.83	1
G8NNPCTRLT01				0.12					

NIMS G8 RESOURCES

ACTID	Selected Bits of	Mode	AACS	RT BTG	Thresh.	Comp.	Total BTG	Data Reduct.	Pass
	Tape	cycle time	Mbits	(Mbits)			(w 4%	Factor	
	sBOT (Mbit)	(sec)	compress 2.5				overhead)	(sBOT/BTG)	
G8NNRCTRLT01				0.04					
G8NNRCTRLT02				0.04					
G8NNOPCAL_01				0.01					
G8CNGLOBAL01-	**8.47**	8.667	0.12		2	2.20	3.24	2.62	2
G8CNSPOLE 01-	**7.86**	4.333	0.12		0	1.70	3.46	2.28	2
G8CNADLIND01-	**3.45**	8.667	0.06		0	1.70	1.71	2.02	2
G8CNGLOBAL02-	**5.10**	8.667	0.12		2	2.20	1.95	2.62	2
G8INCHEMIS03-	**0.40**	8.667	0.00		2	1.25	0.27	1.49	2
G8INCHEMIS07-	**0.86**	8.667	0.00		2	1.25	0.52	1.67	2
G8INVOLCAN02-	**0.32**	8.667	0.00		2	3.50	0.08	4.16	2
G8GNOSIRIS01-	**2.08**	8.667	0.04		0	1.80	0.97	2.14	2
G8GNURUK__01-	**1.65**	8.667	0.07		0	1.80	0.77	2.14	2
G8GNLIDARK01-	**2.17**	8.667	0.02		0	1.80	1.01	2.14	2
G8GNDARTRL01-	**2.30**	8.667	0.02		0	1.80	0.96	2.40	2
G8JNFEA04102-	**0.62**	2.33	0.01		0	1.80	0.34	1.83	2
G8ENTRAIL_01-	**0.37**	2.33	0.00		0	2.00			2
G8JNFEASUB01-	**1.11**	8.667	0.02		0	1.80	0.61	1.83	2
G8JNFEAP1001-	**1.85**	2.33	0.02		0	1.80	1.01	1.83	2
G8JNPFTB1002-	**2.59**	2.33	0.02		0	1.80	1.42	1.83	2
G8JNEURORT01-				0.016	0				2
G8JNFEA01001-	**0.62**	2.33	0.01		0	1.80	0.34	1.83	2
G8JNPFTB1003-	**2.59**	2.33	0.02		0	1.80	1.42	1.83	2
G8JNFEAP7101-	**1.85**	2.33	0.02		0	1.80	1.01	1.83	2
G8JNPFTB7102-	**2.59**	2.33	0.02		0	1.80	1.42	1.83	2
G8JNTHRMNS02-	**1.65**	8.667	0.03		0	1.30	0.78	2.13	2
G8JNTHRMNS03-	**10.77**	8.667	0.20		0	1.30	5.06	2.13	2
G8JNFEA10401-	**0.62**	2.33	0.01		0	1.80	0.34	1.83	2
G8JNFEA12202-	**0.62**	2.33	0.01		0	1.80	0.34	1.83	2
G8JNFAB13301-	**2.99**	2.33	0.03		0	1.80	1.64	1.83	2
G8JNFEA13301-	**0.62**	2.33	0.01		0	1.80			2
G8JNFAB14601-	**2.24**	2.33	0.02		0	1.80	1.22	1.83	2
Total	**101.79**		**1.41**	**0.39**		Total	65.79		
Allocated									
Oversubscribed									

NIMS G8 Playback Model

Activity ID	Observation Title	NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating Start Position	Grating Offset	Record Mode
G8CNGLOBAL01-	CALLISTO GLOBAL COVERAGE	CLM244B	CLM216B	LM	4	0	4	LPU
G8HNDARK__01-	Dark Observation	G8DRK34	G8DRK32	LM	4	0	4	MPW
G8CNSPOLE 01-	CALLISTO SOUTH POLE OBSERVATION	G8CFM102B	G8CFM96B	FM	4	0	4	LPU
G8CNBURI 01-	BURI CRATER COVERAGE	G8CLM244B	G8CLM216B	LM	4	0	4	LPU
G8CNADLIND01-	ADLINDA AREA COVERAGE	G8CLM244B	G8CLM216B	LM	4	0	4	LPU
G8INTHRMAL01-	MONITORING OF IO'S NIGHTSIDE	G8ILMDK244C	G8ILMDK228C	LM	4	0	4	LPU
G8CNGLOBAL02-	CALLISTO GLOBAL COVERAGE	G8CLM244B	G8CLM216B	LM	4	0	4	LPU
G8INCHEMIS01-	MONITORING OF IO'S DAYSIDE	G8ILM244B	G8ILM216B	LM	2	0	4	LPU
G8INTHRMAL02-	MONITORING OF IO'S NIGHTSIDE	G8ILMDK244C	G8ILMDK228C	LM	4	0	4	LPU
G8INCHEMIS02-	MONITORING OF IO'S DAYSIDE	G8ILM244B	G8ILM216B	LM	2	0	4	LPU
G8INTHRMAL03-	MONITORING OF IO'S NIGHTSIDE	G8ILMDK244C	G8ILMDK228C	LM	4	0	4	LPU
G8HNDARK__02-	NIMS Dark Observation	G8DRK34	G8DRK32	LM	2	0	4	LPU
G8INTHRMAL07-	MONITORING OF IO'S NIGHTSIDE	G8ILMDK244C	G8ILMDK228C	LM	4	0	4	LPU
G8INVOLCAN01-	MONITORING OF SELECTED VOLCANIC REGIONS	G8ILMDK244B	G8ILMDK228B	LM	4	0	4	LPU
G8INVOLCAN03-	MONITORING OF SELECTED VOLCANIC REGIONS	G8ILMDK244B	G8ILMDK216B	LM	4	0	4	LPU
G8INCHEMIS04-	MONITORING OF IO'S DAYSIDE	G8ILM244B	G8ILM216B	LM	2	0	4	LPU
G8INTHRMAL04-	MONITORING OF IO'S NIGHTSIDE	G8ILMDK244C	G8ILMDK216C	LM	4	0	4	LPU
G8INVOLCAN04-	MONITORING OF SELECTED VOLCANIC REGIONS	G8ILMDK244B	G8ILMDK216B	LM	4	0	4	LPU
G8GNOSIRIS01-	Central Dome Crater OSIRIS Area	G8GLM244J	G8GLM216J	LM	3	0	4	LPU
G8GNURUK__01-	Uruk Sulcus & Craters & Grooves Furrow	G8GLM244J	G8GLM216J	LM	3	0	4	LPU
G8GNTRANSI01-	Transition boundary Sulcus and Grooves	G8GLM244J	G8GLM216J	LM	3	0	4	LPU
G8GNMELKAR01-	Ganymede MELKAR observation	G8GLM244J	G8GLM216J	LM	3	0	4	LPU
G8GNDARTRL01-	Dark material in Marius Regio Trail Hem	G8GLM442	G8GLM360	LM	3	0	4	MPW
G8INCHEMIS05-	MONITORING OF IO'S DAYSIDE	G8ILM244B	G8ILM216B	LM	2	0	4	LPU
G8INTHRMAL05-	MONITORING OF IO'S NIGHTSIDE	G8ILMDK244C	G8ILMDK216C	LM	4	0	4	LPU
G8JNFEA04101-	Jupiter Feature Track 41 deg phase pt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8INCHEMIS06-	MONITORING OF IO'S DAYSIDE	G8ILM244B	G8ILM216B	LM	2	0	4	LPU
G8INTHRMAL06-	MONITORING OF IO'S NIGHTSIDE	G8ILMDK244C	G8ILMDK216C	LM	4	0	4	LPU
G8JNFEA04103-	Jupiter Feature Track 41 deg phase pt 3	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNPFTB1001-	Jupiter Partial Ftr Trk B 10 deg prt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNFEASUB01-	Jupiter Campaign Feature sub-spectra	G8JSB253A	G8JSB253A	LM	2	0	4	LPU
G8JNFEAP1002-	Jupiter Ftr and Prtl Trk deg prt 2	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNPFTB7101-	Jupiter Partial Ftr Trk B 71 deg prt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNFEAP7102-	Jupiter Ftr and Prtl Trk 71 deg part 2	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNFEA53M01-	Jupiter Campaign Feature 5 and 3 um Map	G8J35157	G8J35157	LM	4	0	4	LPU
G8JNTHRMNS02-	Jupiter Thermal North South Stripe prt 2	G8J35157	G8J35157	LM	4	0	4	LPU
G8JNFEA5UM01-	Jupiter Feature Track 5 Micron Map 2	G8J35157	G8J35157	LM	4	0	4	LPU

NIMS G8 Playback Model

Activity ID	Observation Title	NIMS Edit Table	NIMS PB Table	Mode	Gain	Grating Start Position	Grating Offset	Record Mode
G8JNTHRMNS03-	Jupiter Thermal North South Stripe prt 3	G8J35157	G8J35157	LM	4	0	4	LPU
G8JNUM3MAP01-	Three Micron Hotspot Spectral Map	J3M253A	J3M40A	LM	4	0	4	LPU
G8JNFEA10402-	Jupiter Feature Track 104 deg phase pt 2	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNFEA12201-	Jupiter Feature Track 122 deg phs pt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8HNDARK__04-	NIMS Dark Observation	G8DRK34	G8DRK32	LM	4	0	4	LPU
G8HNDARK__05-	NIMS Dark Observation	G8DRK34	G8DRK32	LM	3	0	4	LPU
G8JNFEA13301-	Jupiter Feature Track 133 deg phs pt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNFEA14601-	Jupiter Feature Track 146 deg phase pt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8CNGLOBAL01-	CALLISTO GLOBAL COVERAGE	CLM244B	CLM216B	LM	4	0	4	LPU
G8CNSPOLE 01-	CALLISTO SOUTH POLE OBSERVATION	G8CFM102B	G8CFM96B	FM	4	0	4	LPU
G8CNADLIND01-	ADLINDA AREA COVERAGE	G8CLM244B	G8CLM216B	LM	4	0	4	LPU
G8CNGLOBAL02-	CALLISTO GLOBAL COVERAGE	G8CLM244B	G8CLM216B	LM	4	0	4	LPU
G8INCHEMIS03-	MONITORING OF IO'S DAYSIDE	G8ILM244B	G8ILM216B	LM	2	0	4	LPU
G8INCHEMIS07-	MONITORING OF IO'S DAYSIDE	G8ILM442	G8ILM360	LM	2	0	4	MPW
G8INVOLCAN02-	MONITORING OF SELECTED VOLCANIC REGIONS	G8ILMDK244B	G8ILMDK216B	LM	4	0	4	LPU
G8GNOSIRIS01-	Central Dome Crater OSIRIS Area	G8GLM244J	G8GLM216J	LM	3	0	4	LPU
G8GNURUK__01-	Uruk Sulcus & Craters & Grooves Furrow	G8GLM244J	G8GLM216J	LM	3	0	4	LPU
G8GNLIDARK01-	Lite Dark Material	G8GLM244J	G8GLM216J	LM	3	0	4	LPU
G8GNDARTRL01-	Dark material in Marius Regio Trail Hem	G8GLM442	G8GLM360	LM	3	0	4	MPW
G8JNFEA04102-	Jupiter Feature Track 41 deg phase pt 2	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNFEASUB01-	Jupiter Campaign Feature sub-spectra	G8JSB253A	G8JSB253A	LM	2	0	4	LPU
G8JNFEAP1001-	Jupiter Ftr and Prtl Trk 10 deg prt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNPFTB1002-	Jupiter Partial Ftr Trk B 10 deg prt 2	JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNFEA01001-	Jupiter Feature Track 10 deg phase	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNPFTB1003-	Jupiter Partial Ftr Trk B 10 deg prt 3	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNFEAP7101-	Jupiter ftr and Prtl Trk 71 deg prt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNPFTB7102-	Jupiter Partial Ftr Trk B 71 deg prt 2	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNTHRMNS02-	Jupiter Thermal North South Stripe prt 2	G8J35157	G8J35157	LM	4	0	4	LPU
G8JNTHRMNS03-	Jupiter Thermal North South Stripe prt 3	G8J35157	G8J35157	LM	4	0	4	LPU
G8JNFEA10401-	Jupiter Feature Track 104 deg phase pt 1	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNFEA12202-	Jupiter Feature Track 122 deg phs pt 2	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNFAB13301-	Jupiter Ftr and Prtl Trk A and B 133 deg	G8JFT68C	G8JFT68C	SM	2	1	4	LPU
G8JNFAB14601-	Jupiter Ftr and Prtl Trks A and B 146 de	G8JFT68C	G8JFT68C	SM	2	1	4	LPU

NIMS G8 Playback Model

Activity ID	PSID	NIMS mode	Record mode	Obs. Cost (tracks)	Number l return	Obs. cost Tics	Observation Record Time (sec)	Observation Playback Time (sec)	Total Bits of Tape BOT (Mbit)	Selected Bits of Tape sBOT (Mbit)
G8CNGLOBAL01-	DA	LM	LPU	0.0712	216	496.741048	2110.67	701.00	**13.02**	**4.32**
G8HNDARK__01-	DB	LM	MPW	0.0080	32	56.1129	61.00	61.00	**0.70**	**0.70**
G8CNSPOLE 01-	DC	FM	LPU	0.0713	96	497.0528	2112.00	600.00	**13.03**	**3.70**
G8CNBURI 01-	DD	LM	LPU	0.0220	216	153.579448	646.67	646.67	**3.99**	**3.99**
G8CNADLIND01-	DE	LM	LPU	0.0378	216	263.902152	1117.33	557.00	**6.89**	**3.44**
G8INTHRMAL01-	DG	LM	LPU	0.0015	228	10.126648	34.67	34.67	**0.21**	**0.21**
G8CNGLOBAL02-	DF	LM	LPU	0.0676	216	471.2688	2002.00	420.00	**12.35**	**2.59**
G8INCHEMIS01-	DH	LM	LPU	0.0022	216	15.5952	58.00	58.00	**0.36**	**0.36**
G8INTHRMAL02-	DI	LM	LPU	0.0019	228	13.2512	48.00	48.00	**0.30**	**0.30**
G8INCHEMIS02-	DJ	LM	LPU	0.0023	216	16.064	60.00	60.00	**0.37**	**0.37**
G8INTHRMAL03-	DL	LM	LPU	0.0020	228	14.031752	51.33	51.33	**0.32**	**0.32**
G8HNDARK__02-	DK	LM	LPU	0.0023	32	16.2984	61.00	61.00	**0.38**	**0.38**
G8INTHRMAL07-	DO	LM	LPU	0.0023	228	15.906952	59.33	59.33	**0.37**	**0.37**
G8INVOLCAN01-	DP	LM	LPU	0.0022	228	15.283448	56.67	56.67	**0.35**	**0.35**
G8INVOLCAN03-	DR	LM	LPU	0.0026	216	17.9392	68.00	68.00	**0.42**	**0.42**
G8INCHEMIS04-	DS	LM	LPU	0.0023	216	16.064	60.00	60.00	**0.37**	**0.37**
G8INTHRMAL04-	DT	LM	LPU	0.0022	216	15.5952	58.00	58.00	**0.36**	**0.36**
G8INVOLCAN04-	DU	LM	LPU	0.0074	216	51.224	210.00	202.68	**1.30**	**1.25**
G8GNOSIRIS01-	DW	LM	LPU	0.0230	216	160.297352	675.33	336.00	**4.17**	**2.07**
G8GNURUK__01-	DY	LM	LPU	0.0404	216	282.108	1195.00	873.00	**7.37**	**5.38**
G8GNTRANSI01-	DZ	LM	LPU	0.0155	216	107.791752	451.33	451.33	**2.78**	**2.78**
G8GNMELKAR01-	LA	LM	LPU	0.0174	216	121.234592	508.68	508.68	**3.14**	**3.14**
G8GNDARTRL01-	EC	LM	MPW	0.0509	360	355.228937	401.33	200.00	**4.62**	**2.30**
G8INCHEMIS05-	ED	LM	LPU	0.0022	216	15.283448	56.67	56.67	**0.35**	**0.35**
G8INTHRMAL05-	EE	LM	LPU	0.0020	216	14.031752	51.33	51.33	**0.32**	**0.32**
G8JNFEA04101-	EH	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**	**0.62**
G8INCHEMIS06-	EF	LM	LPU	0.0028	216	19.502648	74.67	74.67	**0.46**	**0.46**
G8INTHRMAL06-	EG	LM	LPU	0.0020	216	14.031752	51.33	51.33	**0.32**	**0.32**
G8JNFEA04103-	EJ	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**	**0.62**
G8JNPFTB1001-	EM	SM	LPU	0.0144	68	100.448	420.00	420.00	**2.59**	**2.59**
G8JNFEASUB01-	EO	LM	LPU	0.0124	253	86.384	360.00	180.00	**2.22**	**1.11**
G8JNFEAP1002-	ET	SM	LPU	0.0104	68	72.32	300.00	300.00	**1.85**	**1.85**
G8JNPFTB7101-	EV	SM	LPU	0.0144	68	100.448	420.00	420.00	**2.59**	**2.59**
G8JNFEAP7102-	EX	SM	LPU	0.0104	68	72.32	300.00	300.00	**1.85**	**1.85**
G8JNFEA53M01-	EZ	LM	LPU	0.0125	157	86.8528	362.00	362.00	**2.23**	**2.23**
G8JNTHRMNS02-	FA	LM	LPU	0.0185	157	129.2011448	542.67	271.00	**3.35**	**1.67**
G8JNFEA5UM01-	FB	LM	LPU	0.0124	157	86.384	360.00	360.00	**2.22**	**2.22**

5/13/97

J Shirley

NIMS G8 Playback Model

Activity ID	PSID	NIMS mode	Record mode	Obs. Cost (tracks)	Number l return	Obs. cost Tics	Observation Record Time (sec)	Observation Playback Time (sec)	Total Bits of Tape BOT (Mbit)	Selected Bits of Tape sBOT (Mbit)
G8JNTHRMNS03-	FC	LM	LPU	0.1165	157	812.5552	3458.00	1738.00	**21.33**	**10.72**
G8JNUM3MAP01-	FE	LM	LPU	0.0390	40	272.185848	1152.67	1152.67	**7.11**	**7.11**
G8JNFEA10402-	FH	SM	LPU	0.0037	68	25.44	100.00	48.67	**0.62**	**0.30**
G8JNFEA12201-	FI	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**	**0.62**
G8HNDARK__04-	FG	LM	LPU	0.0023	32	16.2984	61.00	61.00	**0.38**	**0.38**
G8HNDARK__05-	FK	LM	LPU	0.0023	32	16.2984	61.00	61.00	**0.38**	**0.38**
G8JNFEA13301-	FM	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**	**0.62**
G8JNFEA14601-	FO	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**	**0.62**
G8CNGLOBAL01-	DA	LM	LPU	0.0712	216	496.741048	2110.67	1374.00	**13.02**	**8.47**
G8CNSPOLE 01-	DC	FM	LPU	0.0713	96	497.0528	2112.00	1275.00	**13.03**	**7.86**
G8CNADLIND01-	DE	LM	LPU	0.0378	216	263.902152	1117.33	560.00	**6.89**	**3.45**
G8CNGLOBAL02-	DF	LM	LPU	0.0676	216	471.2688	2002.00	827.00	**12.35**	**5.10**
G8INCHEMIS03-	DM	LM	LPU	0.0025	216	17.313352	65.33	65.33	**0.40**	**0.40**
G8INCHEMIS07-	DN	LM	MPW	0.0097	360	68.127463	74.67	74.67	**0.86**	**0.86**
G8INVOLCAN02-	DQ	LM	LPU	0.0020	216	14.031752	51.33	51.33	**0.32**	**0.32**
G8GNOSIRIS01-	DW	LM	LPU	0.0230	216	160.297352	675.33	337.00	**4.17**	**2.08**
G8GNURUK__01-	DY	LM	LPU	0.0404	216	282.108	1195.00	267.00	**7.37**	**1.65**
G8GNLIDARK01-	EA	LM	LPU	0.0121	216	84.351752	351.33	351.33	**2.17**	**2.17**
G8GNDARTRL01-	EC	LM	MPW	0.0509	360	355.228937	401.33	200.00	**4.62**	**2.30**
G8JNFEA04102-	EI	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**	**0.62**
G8JNFEASUB01-	EO	LM	LPU	0.0124	253	86.384	360.00	180.00	**2.22**	**1.11**
G8JNFEAP1001-	EP	SM	LPU	0.0104	68	72.32	300.00	300.00	**1.85**	**1.85**
G8JNPFTB1002-	EQ	SM	LPU	0.0144	68	100.448	420.00	420.00	**2.59**	**2.59**
G8JNFEA01001-	ER	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**	**0.62**
G8JNPFTB1003-	ES	SM	LPU	0.0144	68	100.448	420.00	420.00	**2.59**	**2.59**
G8JNFEAP7101-	EU	SM	LPU	0.0104	68	72.32	300.00	300.00	**1.85**	**1.85**
G8JNPFTB7102-	EW	SM	LPU	0.0144	68	100.448	420.00	420.00	**2.59**	**2.59**
G8JNTHRMNS02-	FA	LM	LPU	0.0185	157	129.2011448	542.67	268.00	**3.35**	**1.65**
G8JNTHRMNS03-	FC	LM	LPU	0.1165	157	812.5552	3458.00	1746.00	**21.33**	**10.77**
G8JNFEA10401-	FF	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**	**0.62**
G8JNFEA12202-	FJ	SM	LPU	0.0037	68	25.44	100.00	100.00	**0.62**	**0.62**
G8JNFAB13301-	FL	SM	LPU	0.0166	68	115.761352	485.33	485.33	**2.99**	**2.99**
G8JNFAB14601-	FN	SM	LPU	0.0125	68	87.0872	363.00	363.00	**2.24**	**2.24**
	Total			**0.8819**		**6148.300582**			**153.18**	**101.79**
	Allocated									
	Oversubscribed									

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J Shirley

NIMS G8 Playback Model

Activity ID	Mode cycle time (sec)	AACS Mbits compress 2.5	RT BTG (Mbits)	Thresh.	Comp.	Total BTG (w 4% overhead)	Data Reduct. Factor (sBOT/BTG)	Pass
G8CNGLOBAL01-	8.667	0.12		2	2.20	1.65	2.62	1,2
G8HNDARK__01-	8.667	0.00		0	2.30	0.02	34.50	1
G8CNSPOLE 01-	4.333	0.12		0	1.70	1.63	2.28	1,2
G8CNBURI 01-	8.667	0.04		0	1.70	1.97	2.02	1
G8CNADLIND01-	8.667	0.06		0	1.70	1.70	2.02	1,2
G8INTHRMAL01-	8.667	0.00		2	2.20	0.09	2.48	1
G8CNGLOBAL02-	8.667	0.12		2	2.20	0.99	2.62	1,2
G8INCHEMIS01-	8.667	0.00		2	1.25	0.24	1.49	1
G8INTHRMAL02-	8.667	0.00		2	2.20	0.12	2.48	1
G8INCHEMIS02-	8.667	0.00		2	1.25	0.25	1.49	1
G8INTHRMAL03-	8.667	0.00		2	2.20	0.13	2.48	1
G8HNDARK__02-	8.667	0.00		0	2.30	0.02	18.47	1
G8INTHRMAL07-	8.667	0.00		2	2.20	0.15	2.48	1
G8INVOLCAN01-	8.667	0.00		2	3.50	0.09	3.95	1
G8INVOLCAN03-	8.667	0.00		2	3.50	0.10	4.16	1
G8INCHEMIS04-	8.667	0.00		2	1.25	0.25	1.49	1
G8INTHRMAL04-	8.667	0.00		2	2.20	0.14	2.62	1
G8INVOLCAN04-	8.667	0.01		2	3.50	0.30	4.16	1
G8GNOSIRIS01-	8.667	0.04		0	1.80	0.97	2.14	1,2
G8GNURUK__01-	8.667	0.07		0	1.80	2.51	2.14	1,2
G8GNTRANSI01-	8.667	0.03		0	1.80	1.30	2.14	1
G8GNMELKAR01-	8.667	0.03		0	1.80	1.46	2.14	1
G8GNDARTRL01-	8.667	0.02		0	1.80	0.96	2.40	1,2
G8INCHEMIS05-	8.667	0.00		2	1.25	0.24	1.49	1
G8INTHRMAL05-	8.667	0.00		2	2.20	0.12	2.62	1
G8JNFEA04101-	2.33	0.01		0	1.80	0.34	1.83	1
G8INCHEMIS06-	8.667	0.00		2	1.25	0.31	1.49	1
G8INTHRMAL06-	8.667	0.00		2	2.20	0.12	2.62	1
G8JNFEA04103-	2.33	0.01		0	1.80	0.34	1.83	1
G8JNPFTB1001-	2.33	0.02		0	1.80	1.42	1.83	1
G8JNFEASUB01-	8.667	0.02		0	1.80	0.61	1.83	1,2
G8JNFEAP1002-	2.33	0.02		0	1.80	1.01	1.83	1
G8JNPFTB7101-	2.33	0.02		0	1.80	1.42	1.83	1
G8JNFEAP7102-	2.33	0.02		0	1.80	1.01	1.83	1
G8JNFEA53M01-	8.667	0.02		0	1.30	1.05	2.13	1
G8JNTHRMNS02-	8.667	0.03		0	1.30	0.79	2.13	1,2
G8JNFEA5UM01-	8.667	0.02		0	1.30	1.04	2.13	1

NIMS G8 Playback Model

Activity ID	Mode cycle time (sec)	AACS Mbits compress 2.5	RT BTG (Mbits)	Thresh.	Comp.	Total BTG (w 4% overhead)	Data Reduct. Factor (sBOT/BTG)	Pass
G8JNTHRMNS03-	8.667	0.20		0	1.30	5.04	2.13	1,2
G8JNUM3MAP01-	8.667	0.07		0	1.30	0.85	8.35	1
G8JNFEA10402-	2.33	0.01		0	1.80	0.16	1.83	1
G8JNFEA12201-	2.33	0.01		0	1.80	0.34	1.83	1
G8HNDARK__04-	8.667	0.00		0	2.30	0.02	18.47	1
G8HNDARK__05-	8.667	0.00		0	2.30	0.02	18.47	1
G8JNFEA13301-	2.33	0.01		0	1.80	0.34	1.83	1
G8JNFEA14601-	2.33	0.01		0	1.80	0.34	1.83	1
G8CNGLOBAL01-	8.667	0.12		2	2.20	3.24	2.62	2
G8CNSPOLE 01-	4.333	0.12		0	1.70	3.46	2.28	2
G8CNADLIND01-	8.667	0.06		0	1.70	1.71	2.02	2
G8CNGLOBAL02-	8.667	0.12		2	2.20	1.95	2.62	2
G8INCHEMIS03-	8.667	0.00		2	1.25	0.27	1.49	2
G8INCHEMIS07-	8.667	0.00		2	1.25	0.52	1.67	2
G8INVOLCAN02-	8.667	0.00		2	3.50	0.08	4.16	2
G8GNOSIRIS01-	8.667	0.04		0	1.80	0.97	2.14	2
G8GNURUK__01-	8.667	0.07		0	1.80	0.77	2.14	2
G8GNLIDARK01-	8.667	0.02		0	1.80	1.01	2.14	2
G8GNDARTRL01-	8.667	0.02		0	1.80	0.96	2.40	2
G8JNFEA04102-	2.33	0.01		0	1.80	0.34	1.83	2
G8JNFEASUB01-	8.667	0.02		0	1.80	0.61	1.83	2
G8JNFEAP1001-	2.33	0.02		0	1.80	1.01	1.83	2
G8JNPFTB1002-	2.33	0.02		0	1.80	1.42	1.83	2
G8JNFEA01001-	2.33	0.01		0	1.80	0.34	1.83	2
G8JNPFTB1003-	2.33	0.02		0	1.80	1.42	1.83	2
G8JNFEAP7101-	2.33	0.02		0	1.80	1.01	1.83	2
G8JNPFTB7102-	2.33	0.02		0	1.80	1.42	1.83	2
G8JNTHRMNS02-	8.667	0.03		0	1.30	0.78	2.13	2
G8JNTHRMNS03-	8.667	0.20		0	1.30	5.06	2.13	2
G8JNFEA10401-	2.33	0.01		0	1.80	0.34	1.83	2
G8JNFEA12202-	2.33	0.01		0	1.80	0.34	1.83	2
G8JNFAB13301-	2.33	0.03		0	1.80	1.64	1.83	2
G8JNFAB14601-	2.33	0.02		0	1.80	1.22	1.83	2
		1.41	**0.39**		Total	65.79		
						67.23	Allocation	(wAACS)
						-1.44	Over / Under	

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J Shirley

NIMS G8 OBSERVING GEOMETRY

OAPEL	Latitude (deg)	Longitude (deg)	Range (km)	Cone (deg)	Light (deg)	View (deg)	Phase (deg)
G8CNGLOBAL01	-90 to +90	50 to 200	186K	108	4 to 107	2 to 90	70
G8HNDARK__01	----------	----------	-------	110	----------	----------	----------
G8CNVGRGAP01	-65 to -25	58 to 108	46K	130	24 to 65	24 to 56	49
G8CNSPOLE_01	-86 to -53	80 to 222	38K	140	58 to 94	17 to 57	38 to 42
G8CNSPOLAR01	-82 to -62	17 to 109	33K	140	62 to 84	22 to 45	42
G8CNBURI__01	-47 to -37	36 to 54	33K	135	50 to 61	6 to 21	44 to 47
G8CNADLIND01	-67 to -47	0 to 50	36K	130	63 to 89	14 to 41	49 to 55
G8CNADLNDA01	-70 to -37	0 to 70	43K	119	57 to 84	16 to 38	64
G8INTHRMAL01	-90 to +90	90 to 180	1680K	105	95 to 112	90	----------
G8CNGLOBAL02	-90 to +90	0 to 90	166K	88	11 to 94	1 to 90	93
G8INCHEMIS01	-90 to +90	40 to 150	1285K	107	55 to 95	90	90
G8INTHRMAL02	-90 to +90	140 to 208	1283K	107	93 to 121	90	----------
G8INCHEMIS02	-90 to +90	90 to 170	1057K	104	51 to 90	90	90
G8INTHRMAL03	-90 to +90	150 to 270	1034K	103	97 to 125	90	----------
G8INCHEMIS03	-90 to +90	90 to 180	1032K	103	53 to 95	90	90
G8HNDARK__02	----------	----------	-------	76	----------	----------	----------
G8INCHEMIS07	-90 to +90	120 to 220	956K	95	45 to 90	90	90
G8INTHRMAL07	-90 to +90	220 to 300	956K	95	96 to 129	90	----------

NIMS G8 OBSERVING GEOMETRY

OAPEL	Latitude (deg)	Longitude (deg)	Range (km)	Cone (deg)	Light (deg)	View (deg)	Phase (deg)
G8INVOLCAN01	-90 to +90	220 to 300	954K	95	91 to 144	90	----------
G8INVOLCAN02	-90 to +90	250 to 330	982K	92	94 to 147	90	----------
G8INVOLCAN03	-90 to +90	230 to 330	983K	92	78 to 148	90	----------
G8INCHEMIS04	-90 to +90	170 to 250	994K	92	50 to 88	90	90
G8INTHRMAL04	-90 to +90	250 to 330	996K	92	95 to 130	90	----------
G8INVOLCAN04	-90 to +90	170 to 260	1012K	92	12 to 84	74	85
G8GNOSIRIS01	-60 to -23	145 to 180	79K	115	46 to 66	33 to 55	63
G8GNURUK__01	-15 to -2	138 to 156	35K	109	18 to 35	33 to 55	69
G8GNTRANSI01	+2 to +5	182 to 187	21K	107	60 to 65	4 to 11	70
G8GNMELKAR01	-12 to -8	184 to 187	11K	97	61 to 64	24 to 31	80
G8GNDARTRL01	+32 to +34	203 to 205	5K	80	82 to 83	31 to 40	98
G8INCHEMIS05	-90 to +90	220 to 310	1125K	105	50 to 90	90	90
G8INTHRMAL05	-90 to +90	300 to +30	1127K	105	88 to 124	90	----------
G8JNFEA04101	-90 to -58	127 to 152	882K	125	78 to 87	73 to 77	43
G8JNFEA04102	-90 to -58	123 to 151	846K	128	68 to 70	71 to 78	40
G8INCHEMIS06	-90 to +90	240 to 350	1143K	111	60 to 105	90	90
G8INTHRMAL06	-90 to +90	320 to +40	1143K	111	91 to 118	90	----------
G8JNFEA04103	-90 to -58	104 to 155	836K	130	66 to 76	74 to 92	38

NIMS G8 OBSERVING GEOMETRY

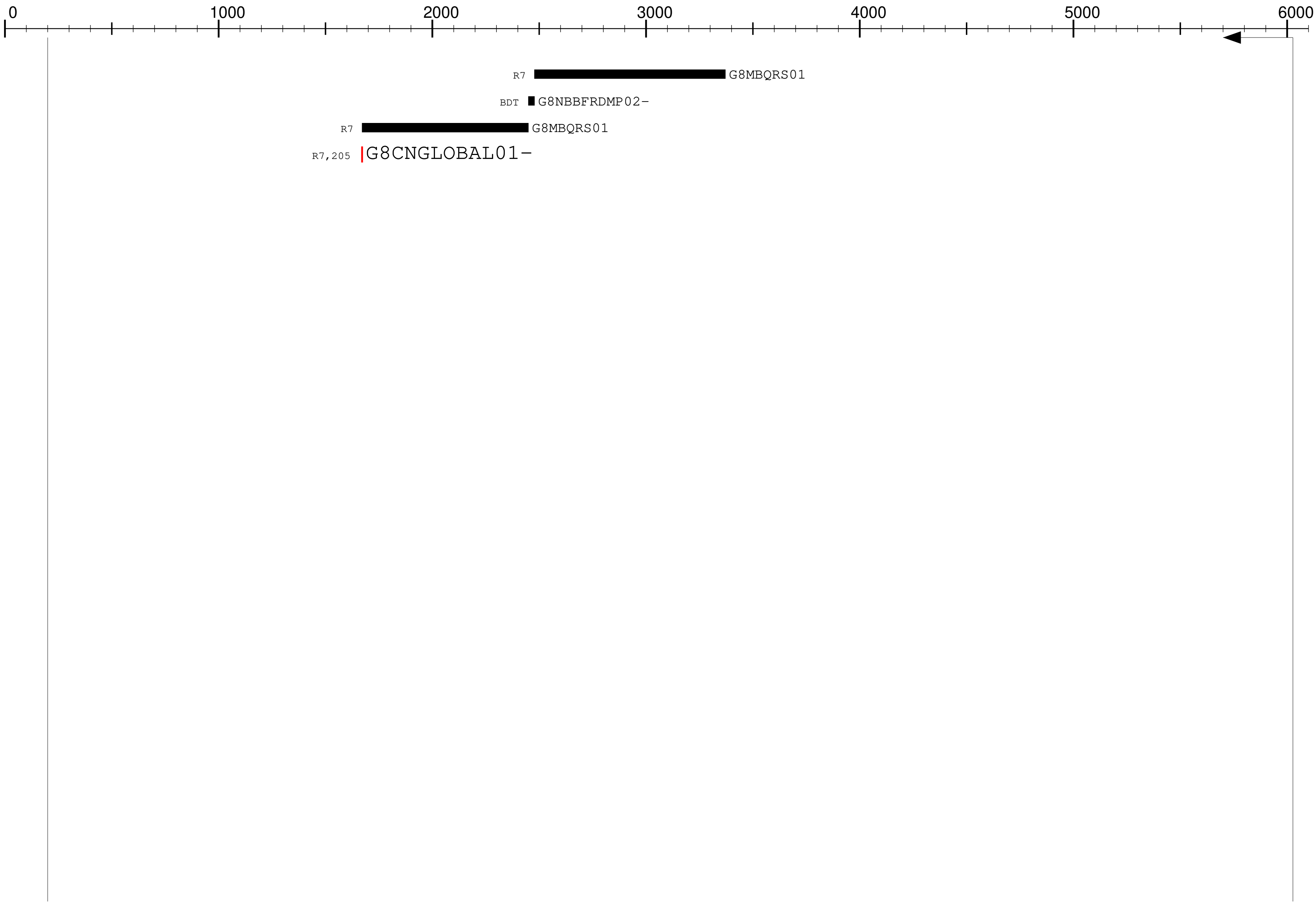
OAPEL	Latitude (deg)	Longitude (deg)	Range (km)	Cone (deg)	Light (deg)	View (deg)	Phase (deg)
G8ENCLIPSE01	-90 to +90	112 to 291	1430K	149	78 to 101	90	----------
G8ENCOOLCV01	-90 to +90	112 to 291	1430K	149	78 to 101	90	----------
G8ENTRAIL_01	-90 to +90	50 to 90	1372K	159	84 to 95	90	----------
G8ENWARMCV01	-90 to +90	50 to 90	1372K	159	84 to 95	90	----------
G8JNPFTB1001	-70 to -38	135 to 150	640K	172	43 to 68	50 to 75	9
G8JNFEASUB01	-90 to -60	133 to 143	648K	172	62 to 74	69 to 81	11
G8JNFEAP1001	-90 to -57	117 to 189	652K	173	59 to 85	64 to 93	11
G8JNPFTB1002	-65 to -40	134 to 143	628K	174	42 to 64	45 to 70	12
G8ENEURORT01	-90 to +90	340 to +10	1286K	162	13 to 65	8 TO 46	30
G8JNFEA01001	-75 to -58	106 to 147	650K	172	73 to 91	72 to 93	18
G8JNPFTB1003	-61 to -37	128 to 151	638K	172	70 to 86	63 to 83	17
G8JNFEAP1002	-80 to -57	120 to 183	646K	169	67 to 93	69 to 92	20
G8JNFEAP7101	-75 to -55	101 to 184	644K	123	67 to 80	66 to 93	67
G8JNPFTB7101	-64 to -40	124 to 167	731K	122	50 to 67	51 to 79	70
G8JNPFTB7102	-62 to -42	127 to 153	740K	120	66 to 85	49 to 62	71
G8JNFEAP7102	-90 to -60	119 to 221	777K	119	74 to 92	73 to 93	71
G8JNFEA53M01	-80 to -57	129 to 154	787K	117	89 to 101	70 to 79	74
G8JNTHRMNS02	+33 to +90	100 to 157	791K	117	100 to 114	47 to 90	74

NIMS G8 OBSERVING GEOMETRY

OAPEL	Latitude (deg)	Longitude (deg)	Range (km)	Cone (deg)	Light (deg)	View (deg)	Phase (deg)
G8JNRTHOTS01	+4 to +11	235 to 236	776K	110	44 to 46	37 to 39	82
G8JNFEA5UM01	-72 to -57	124 to 168	824K	114	101 to 113	73 to 92	78
G8JNTHRMNS03	-90 to +90	132 to 224	822K	111	92 to 111	13 to 91	78
G8JNUM3MAP01	+5 to +12	237 to 263	848K	107	104 to 141	20 to 58	85
G8JNRTHOTS02	+4 to +10	331 to 333	855K	100	48 to 51	41 to 43	91
G8JNRTHOTS03	+4 to +10	7 to 10	886K	98	38 to 41	54 to 57	94
G8JNFEA10401	-74 to -54	116 to 146	1023K	89	72 to 83	68 to 79	102
G8JNFEA10402	-80 to -58	134 to 148	1043K	88	82 to 87	72 to 76	103
G8JNFEA12201	-75 to -51	112 to 157	1336K	71	70 to 90	67 to 86	121
G8JNFEA12202	-80 to -53	123 to 162	1349K	71	76 to 93	68 to 81	121
G8HNDARK__04	----------	----------	-------	110	----------	----------	----------
G8HNDARK__05	----------	----------	-------	110	----------	----------	----------
G8JNFAB13301	-90 to -35	97 to 166	1631K	59	50 to 101	47 to 91	131
G8JNFEA13301	-80 to -54	115 to 179	1653K	60	72 to 96	71 to 91	132
G8JNFAB14601	-75 to -35	102 to 159	2176K	46	58 to 108	44 to 91	145
G8JNFEA14601	-75 to -43	108 to 171	2193K	46	72 to 105	62 to 91	145

Phase 2A Tapemap of g8output.tapemap-c
Date: Mon Sep 8 13:18:52 1997 Page: 1

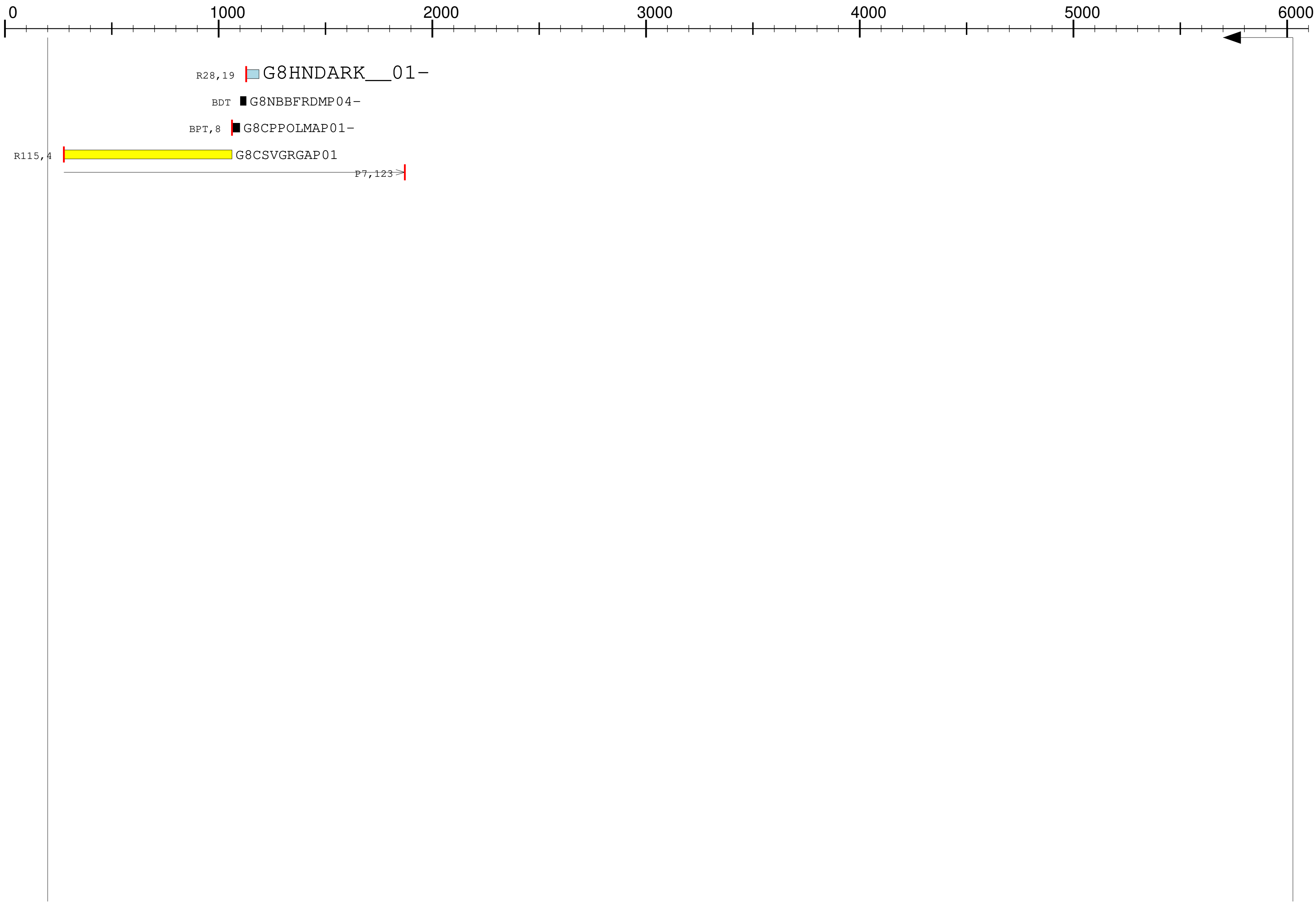
Track 4



J.Culwell, 31-Dec-96, v0.02

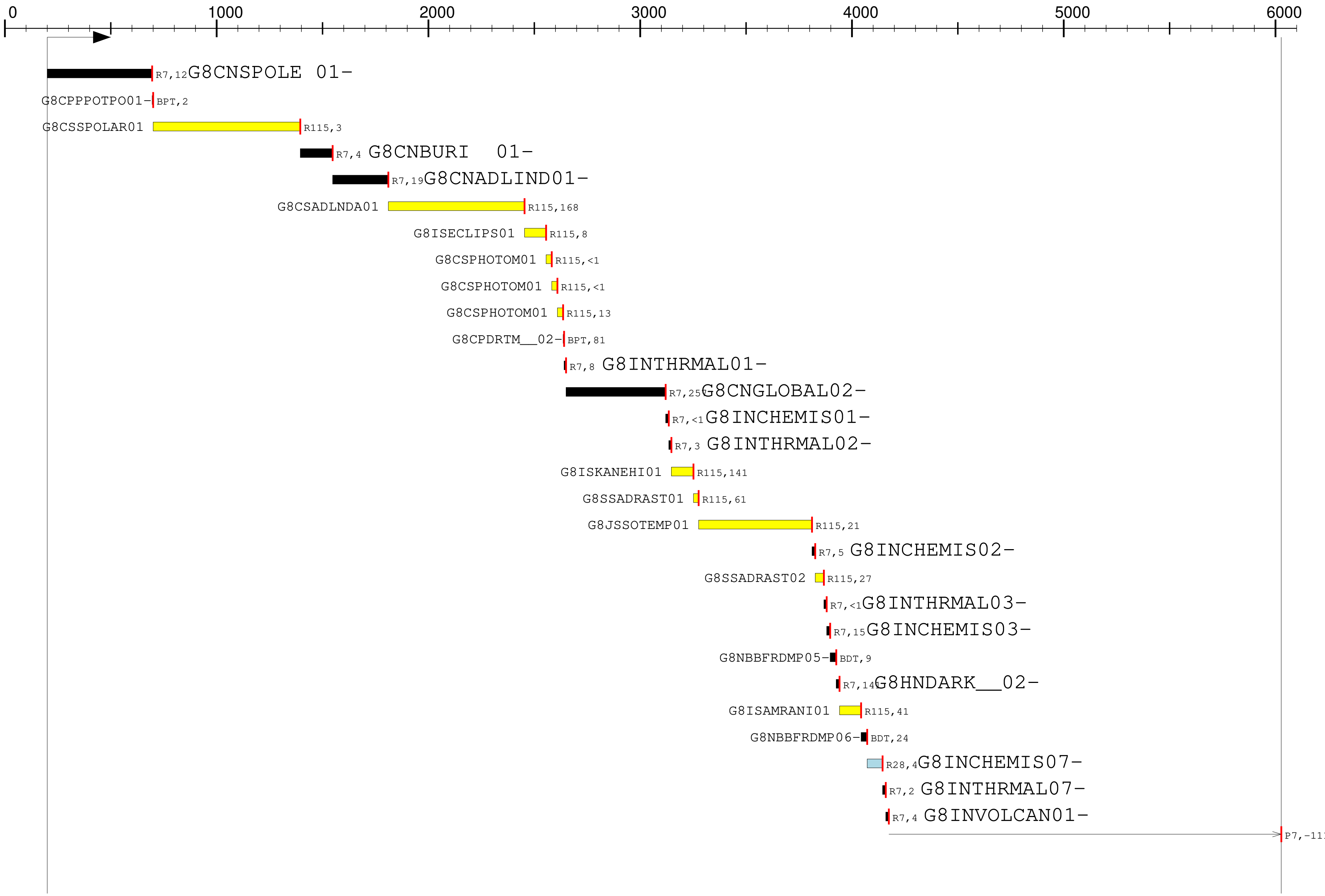
Phase 2A Tapemap of g8output.tapemap-c
Date: Mon Sep 8 13:18:52 1997 Page: 2

Track 4



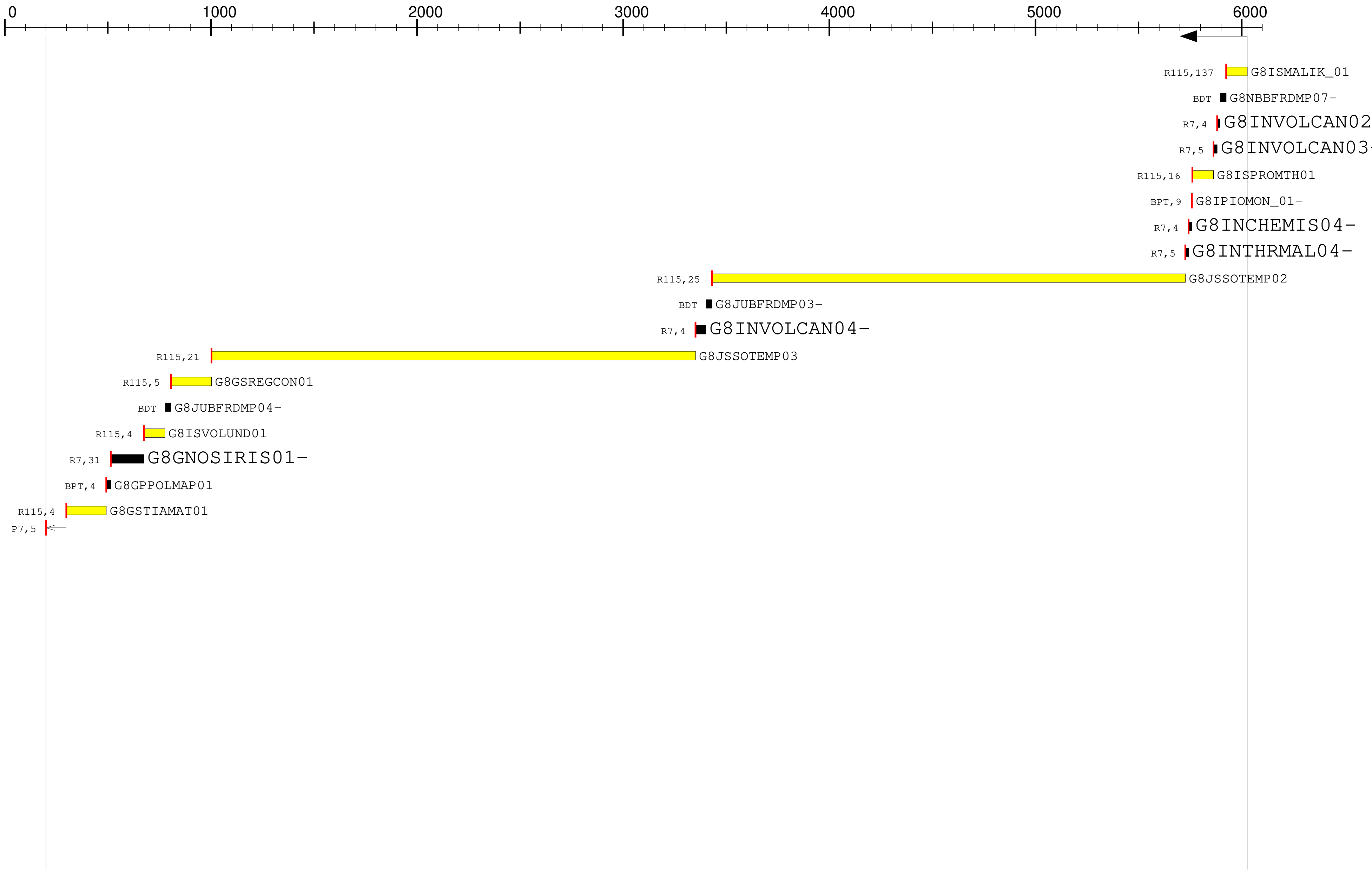
J.Culwell, 31-Dec-96, v0.02

Track 1


0
1000
2000
3000
4000
5000
6000
R7,12 G8CNSPOLE 01-
G8CPPPOTPO01- BPT,2
G8CSSPOLAR01 R115,3
R7,4 G8CNBURI 01-
R7,19 G8CNADLIND01-
G8CSADLNDA01 R115,168
G8ISECLIPS01 R115,8
G8CSPHOTOM01 R115,<1
G8CSPHOTOM01 R115,<1
G8CSPHOTOM01 R115,13
G8CPDRTM__02- BPT,81
R7,8 G8INTHRMAL01-
R7,25 G8CNGLOBAL02-
R7,<1 G8INCHEMIS01-
R7,3 G8INTHRMAL02-
G8ISKANEHI01 R115,141
G8SSADRAST01 R115,61
G8JSSOTEMP01 R115,21
R7,5 G8INCHEMIS02-
G8SSADRAST02 R115,27
R7,<1 G8INTHRMAL03-
R7,15 G8INCHEMIS03-
G8NBBFRDMP05- BDT,9
R7,14 G8HNDARK__02-
G8ISAMRANI01 R115,41
G8NBBFRDMP06- BDT,24
R28,4 G8INCHEMIS07-
R7,2 G8INTHRMAL07-
R7,4 G8INVOLCAN01-
P7,-111

Phase 2A Tapemap of g8output.tapemap-c
Date: Mon Sep 8 13:18:52 1997 Page: 4

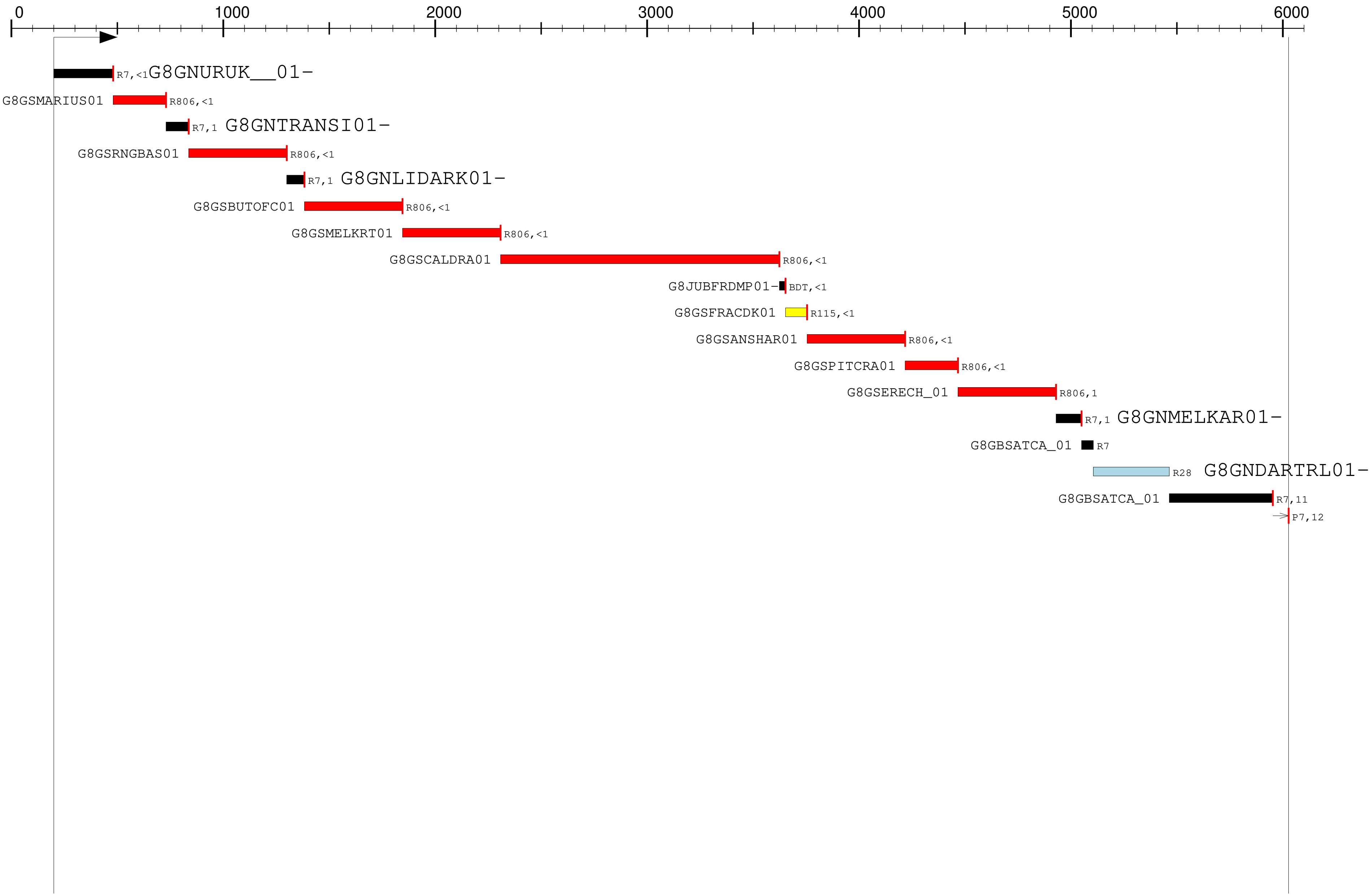
Track 2



J.Culwell, 31-Dec-96, v0.02

Phase 2A Tapemap of g8output.tapemap-c
Date: Mon Sep 8 13:18:52 1997 Page: 5

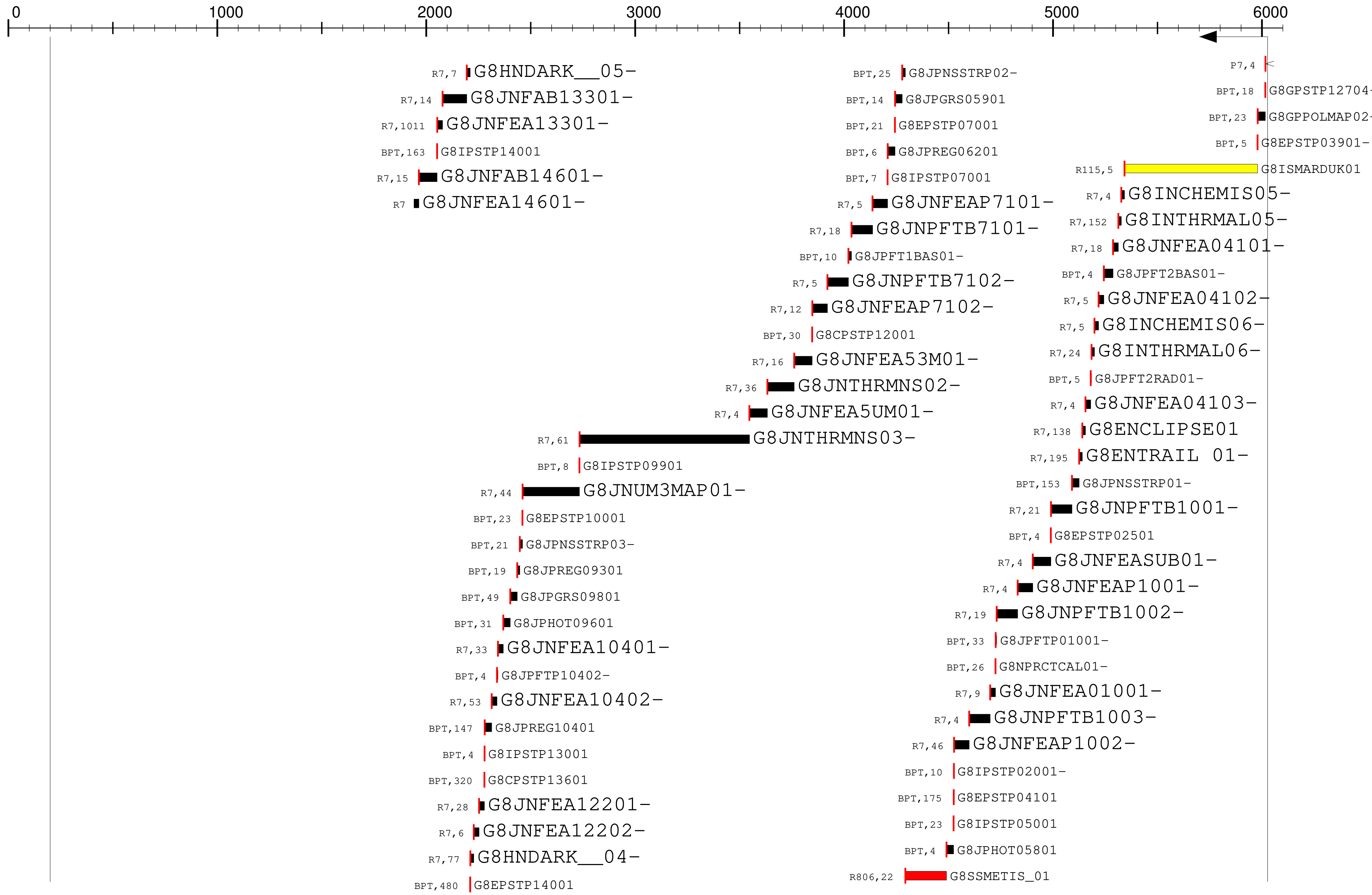
Track 3



J.Culwell, 31-Dec-96, v0.02

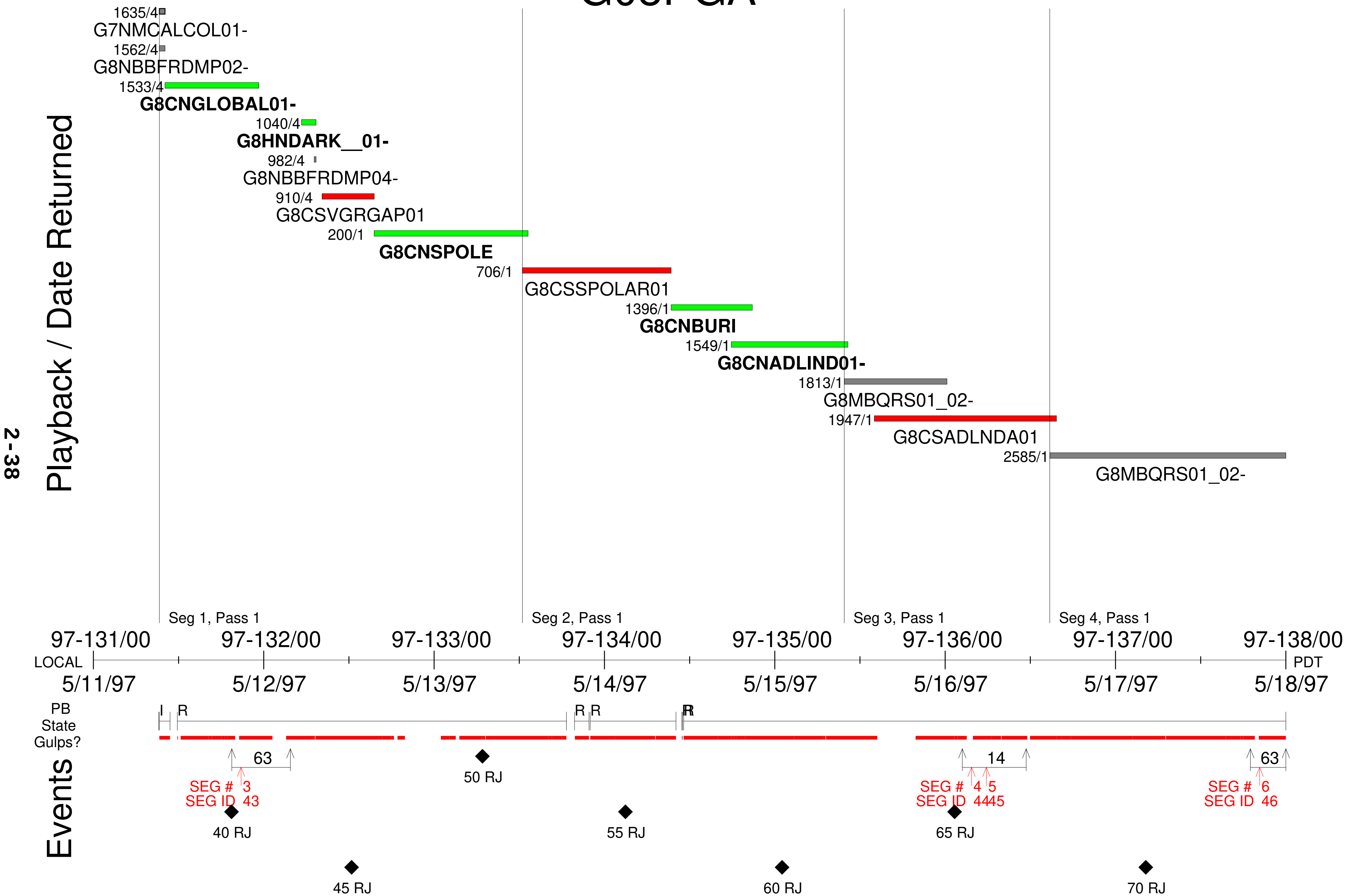
Phase 2A Tapemap of g8output.tapemap-c
Date: Mon Sep 8 13:18:52 1997 Page: 6

Track 4



J.Culwell, 31-Dec-96, v0.02

G08PGA



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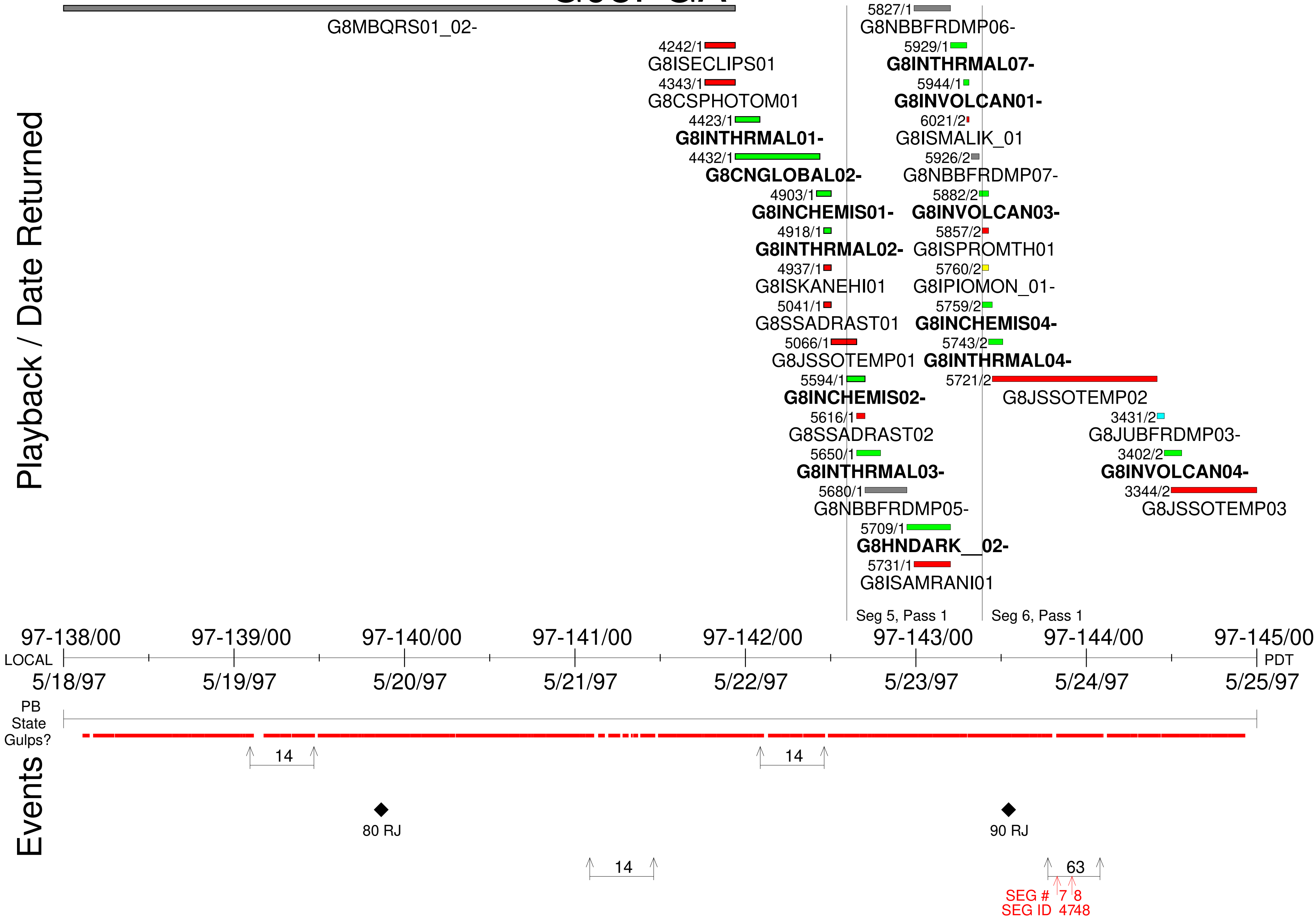
Wed May 7 16:33:42 1997, Page 1 of 6

G08PGA



2-39

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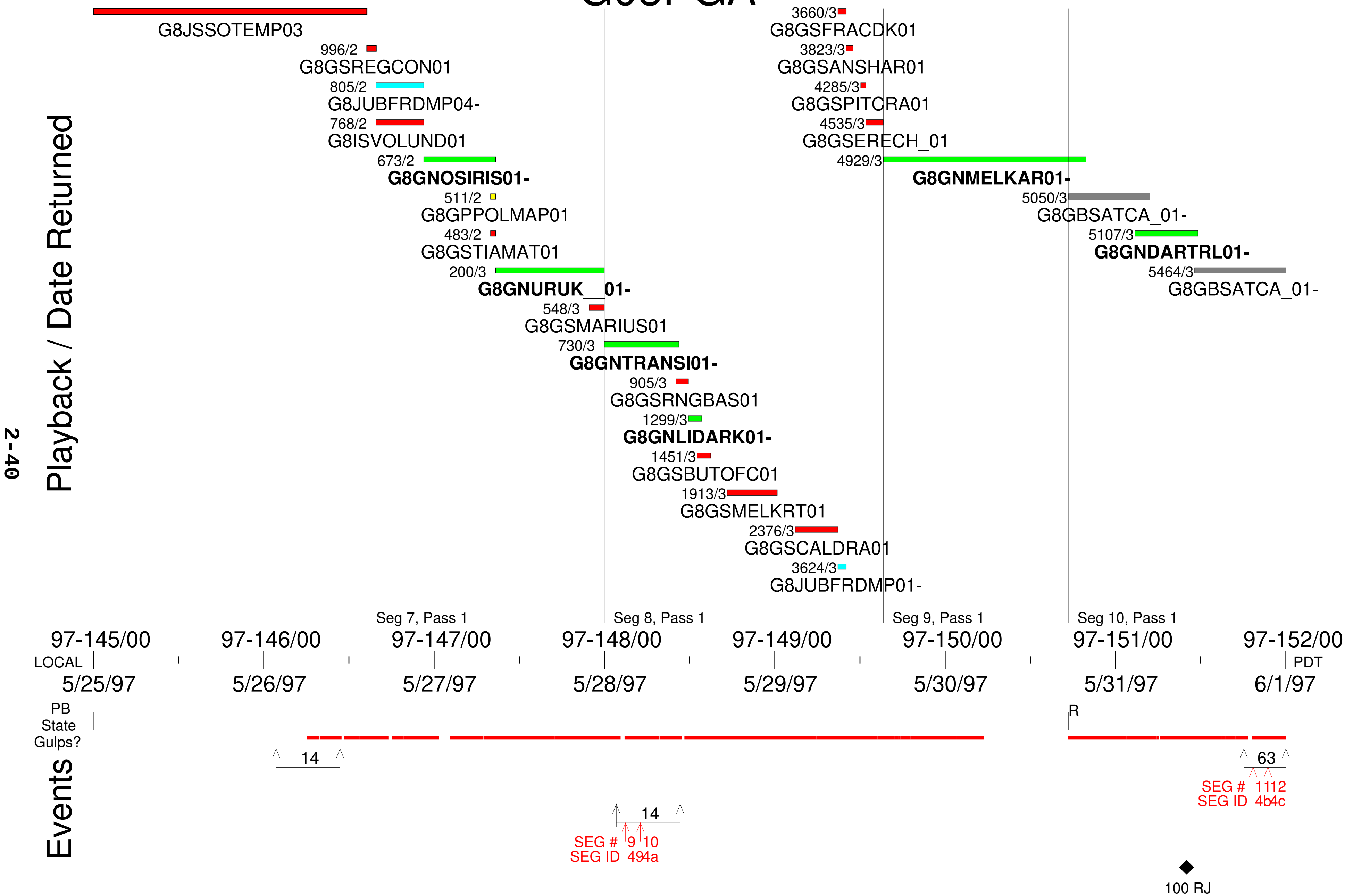
G08PGA



ORPROs Loaded: /g8/pbt/working/develop/merge5/inputs/orpro.970428.g08bhd

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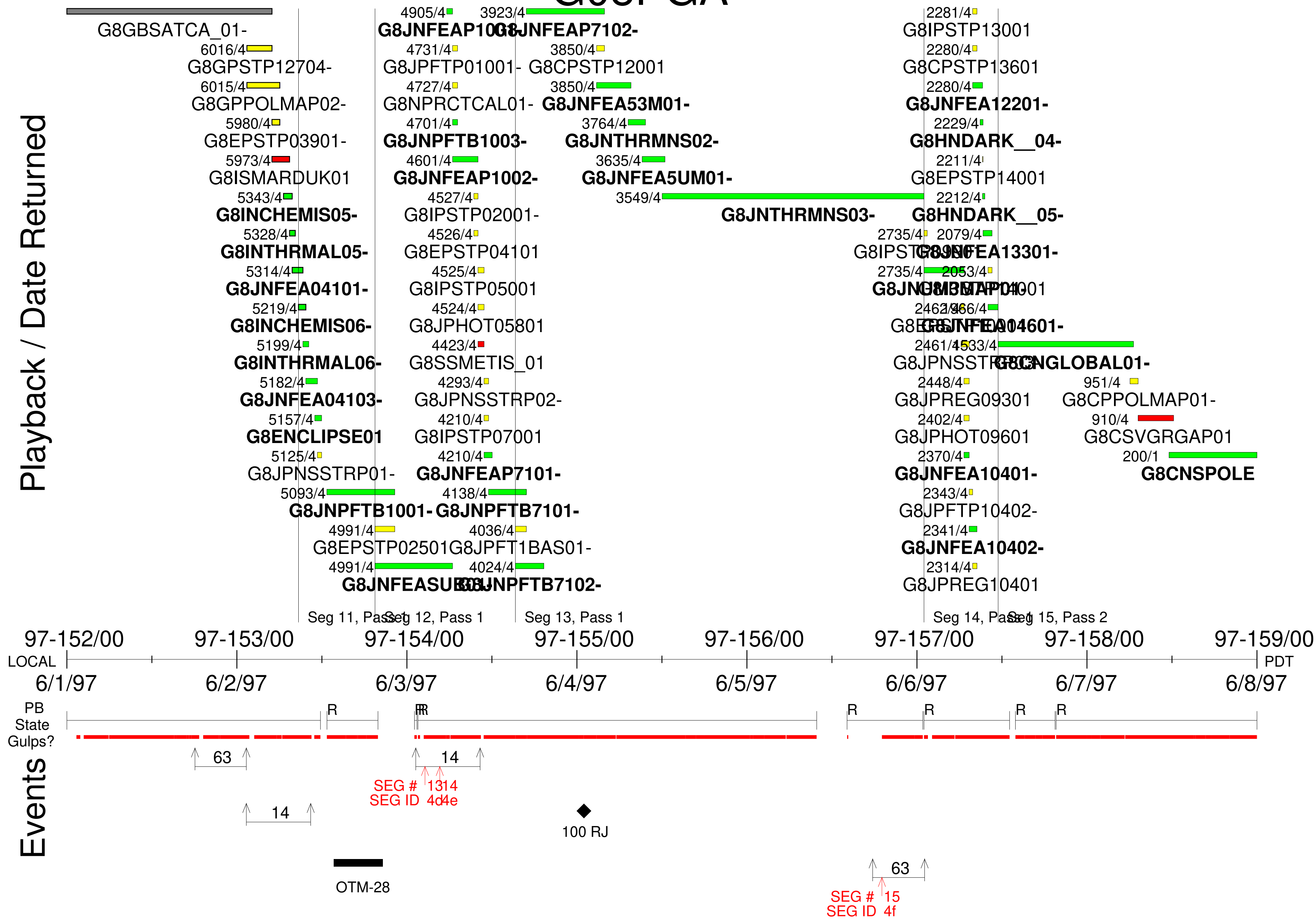
G08PGA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6015/4 G8GPPOLMAP02-
5980/4 G8EPSTP03901-
5973/4 G8ISMARDUK01
5343/4 G8INCHEMIS05-
5328/4 G8INTHRMAL05-
5314/4 G8JNFEA04101-
5219/4 G8INCHEMIS06-
5199/4 G8INTHRMAL06-
5182/4 G8JNFEA04103-
5157/4 G8ENCLIPSE01
5125/4 G8JPNSSTRP01-
5093/4 G8JNPFTB1001-
4991/4 G8EPSTP02501
4991/4 G8JNFEASU
4905/4 G8JNFEAP1003-
4731/4 G8JPFTP01001-
4727/4 G8NPRCTCAL01-
4701/4 G8JNPFTB1003-
4601/4 G8JNFEAP1002-
4527/4 G8IPSTP02001-
4526/4 G8EPSTP04101
4525/4 G8IPSTP05001
4524/4 G8JPHOT05801
4423/4 G8SSMETIS_01
4293/4 G8JPNSSTRP02-
4210/4 G8IPSTP07001
4210/4 G8JNFEAP7101-
4138/4 G8JNPFTB7101-
4036/4 G8JPFT1BAS01-
4024/4 G8JNPFTB7102-
3923/4 G8JNFEAP7102-
3850/4 G8CPSTP12001
3850/4 G8JNFEA53M01-
3764/4 G8JNTHRMNS02-
3635/4 G8JNFEA5UM01-
3549/4 G8JNTHRMNS03-
2281/4 G8IPSTP13001
2280/4 G8CPSTP13601
2280/4 G8JNFEA12201-
2229/4 G8HNDARK__04-
2211/4 G8EPSTP14001
2212/4 G8HNDARK__05-
2735/4
2079/4 G8JNFEA13301-
2735/4
2053/4
2461/4
2466/4 G8JNFEA04601-
2461/4
4533/4 G8CNGLOBAL01-
2448/4 G8JPREG09301
2402/4 G8JPHOT09601
2370/4 G8JNFEA10401-
2343/4 G8JPFTP10402-
2341/4 G8JNFEA10402-
2314/4 G8JPREG10401
951/4 G8CPPOLMAP01-
910/4 G8CSVGRGAP01
200/1 G8CNSPOLE
Seg 11, Pass 1
Seg 12, Pass 1
Seg 13, Pass 1
Seg 14, Pass 1
Seg 15, Pass 2
97-152/00
97-153/00
97-154/00
97-155/00
97-156/00
97-157/00
97-158/00
97-159/00
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6/2/97
6/3/97
6/4/97
6/5/97
6/6/97
6/7/97
6/8/97
PB State
Gulps?
R
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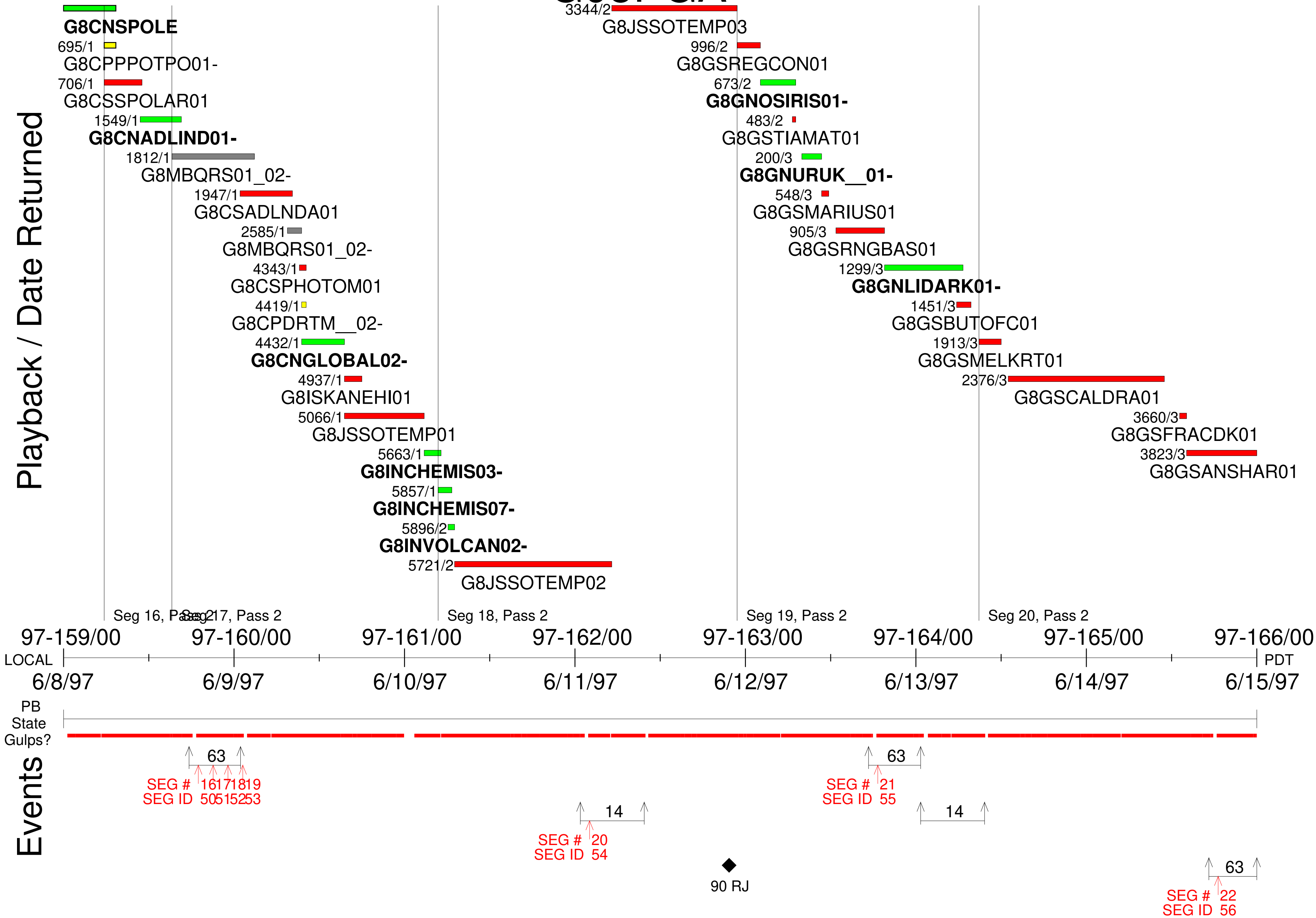
G08PGA



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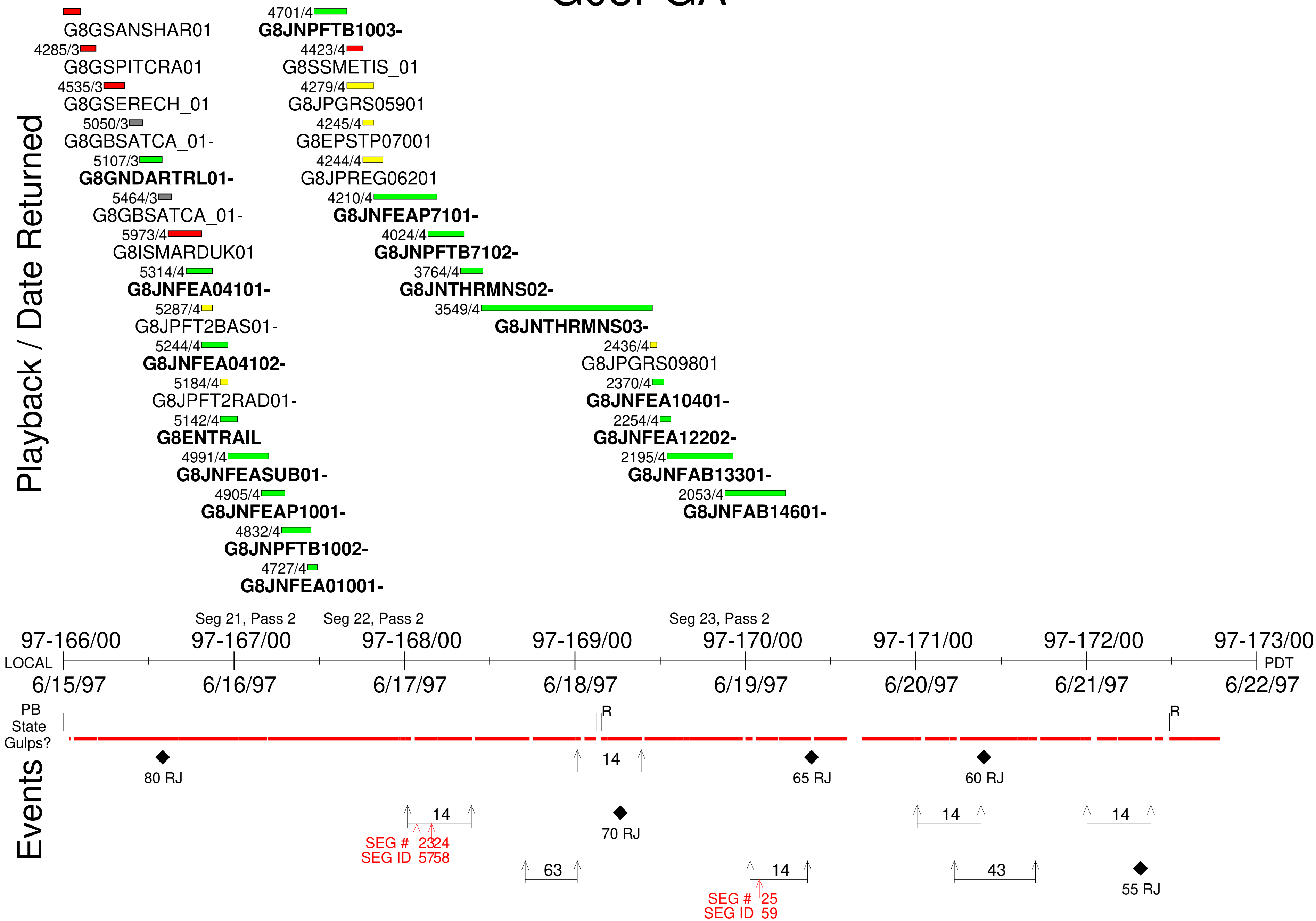
G08PGA



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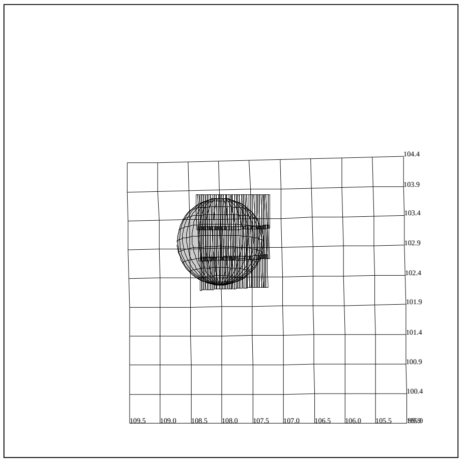
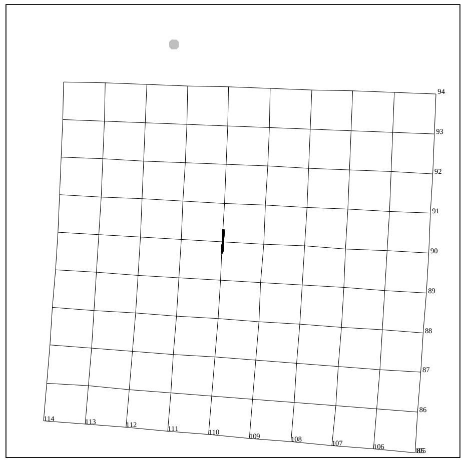
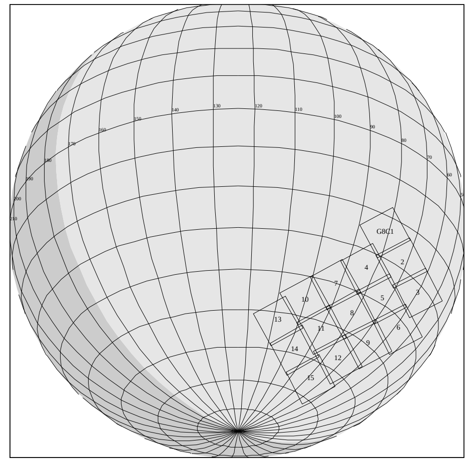
G8 NIMS A







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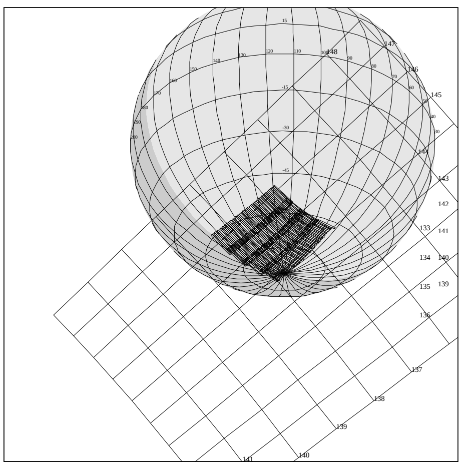
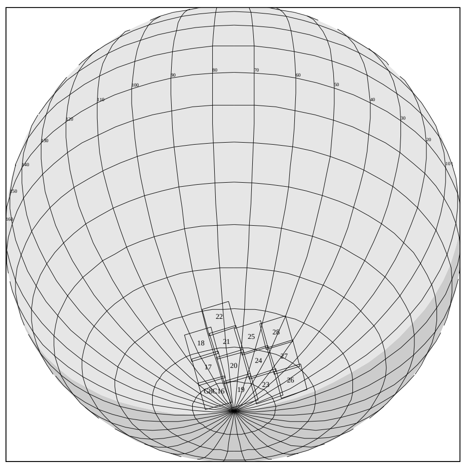
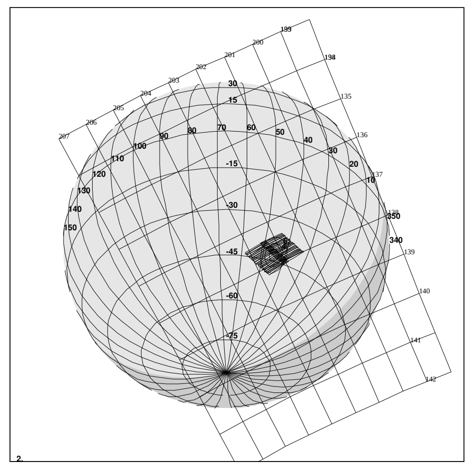
97-126/09:09:54

G8CNVGRGAP01
97-126/10:54:02







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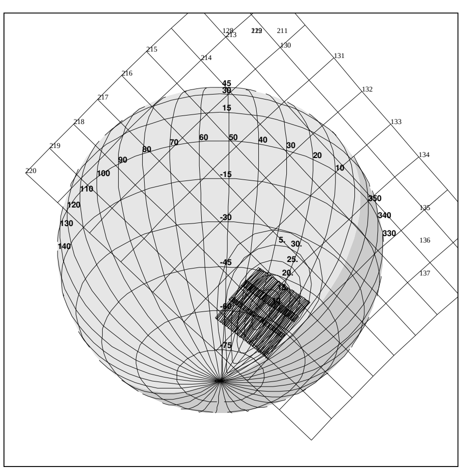
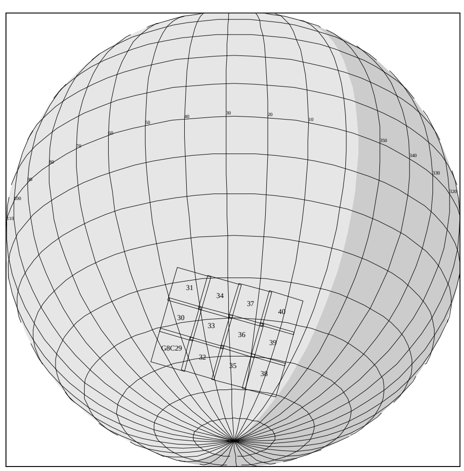
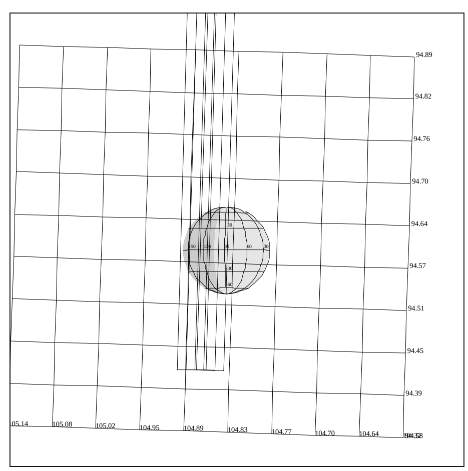
G8CNSPOLAR01
97-126/12:05:50

G8CNBURI__01
97-126/12:11:54







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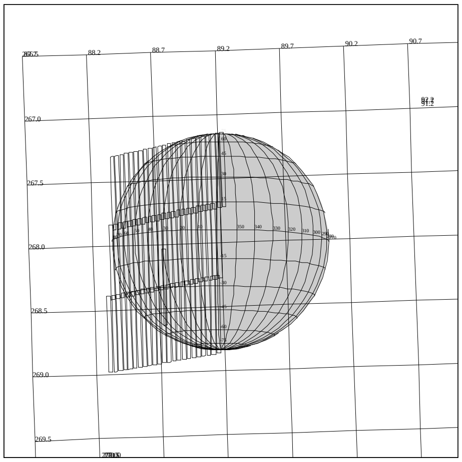
G8CNADLNDA01
97-126/13:07:30

G8INTHRMAL01
97-126/17:44:33

G8 NIMS B



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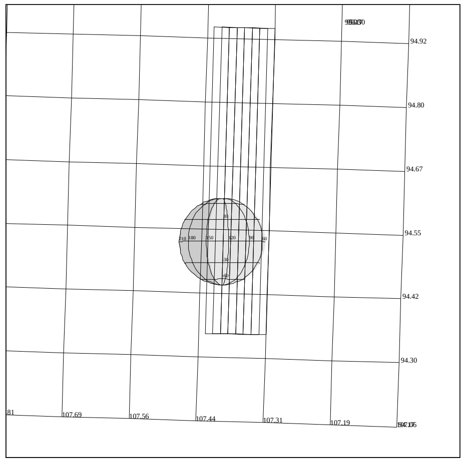

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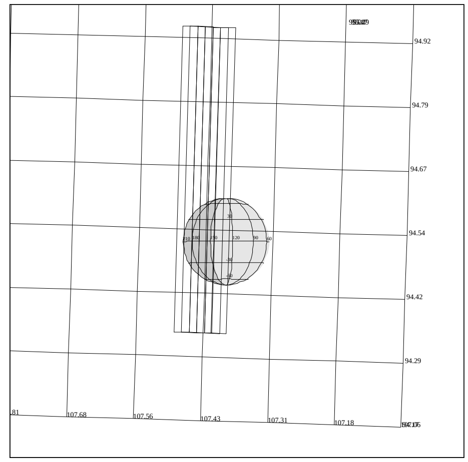

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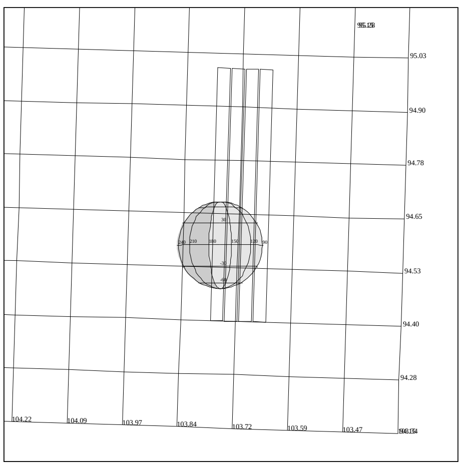

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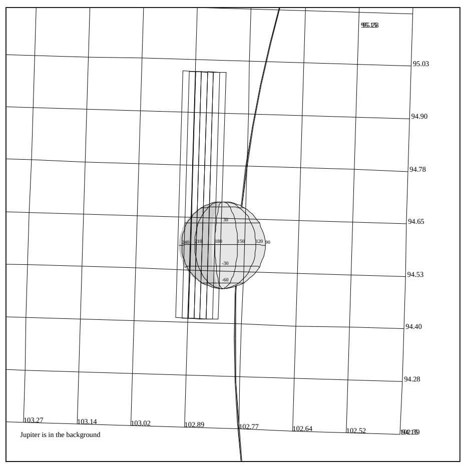

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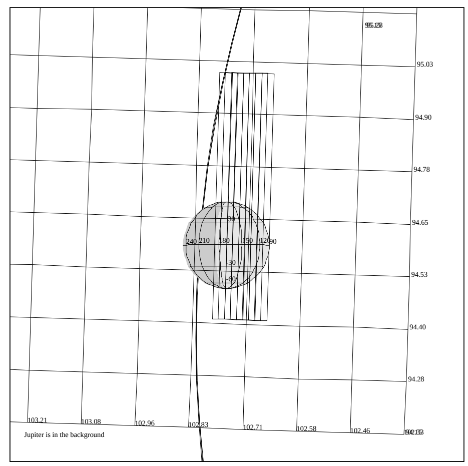

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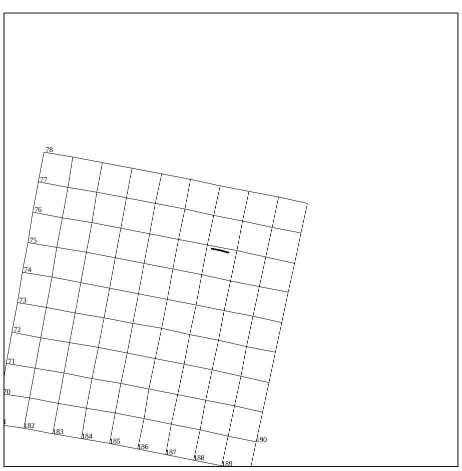

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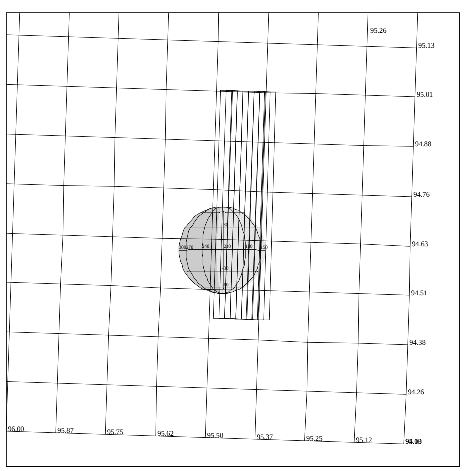

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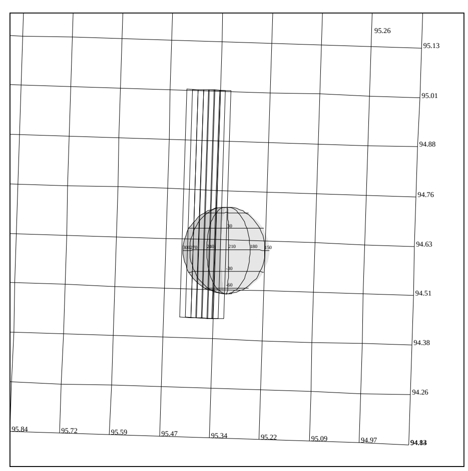

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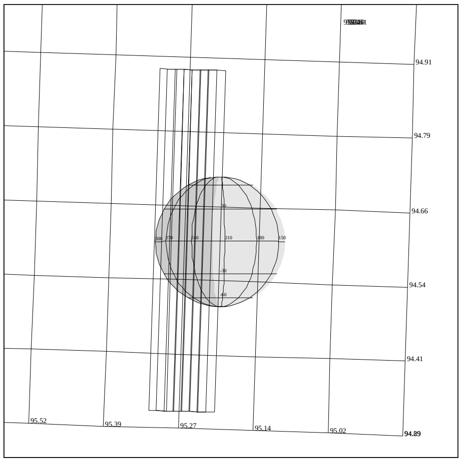
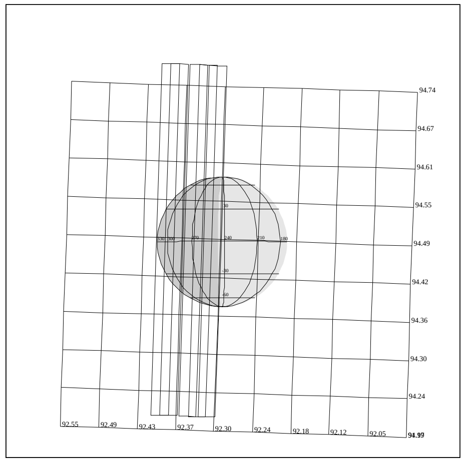
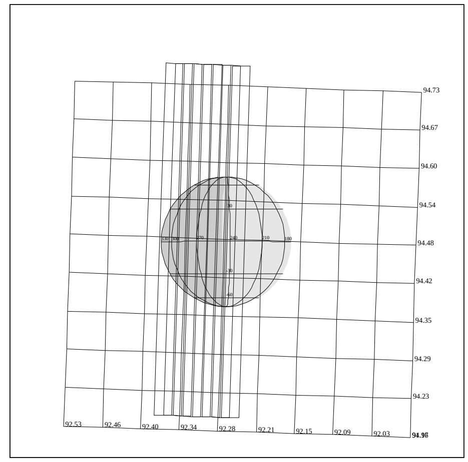
G8 NIMS C







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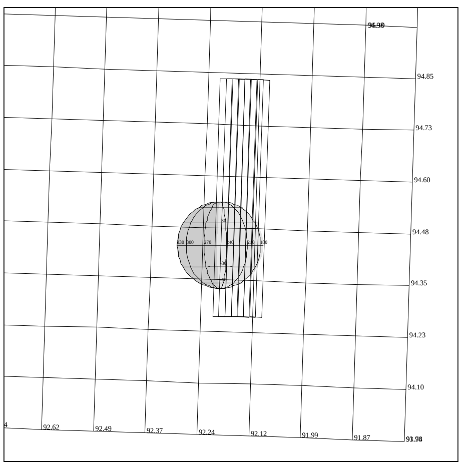
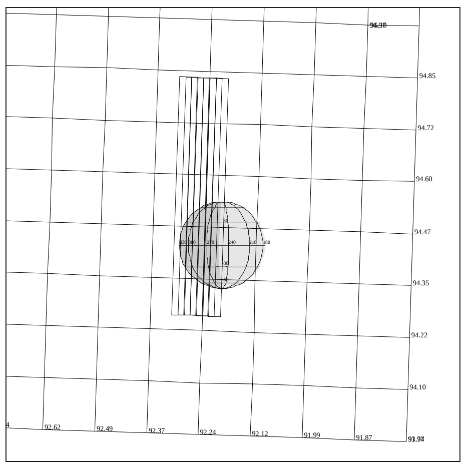
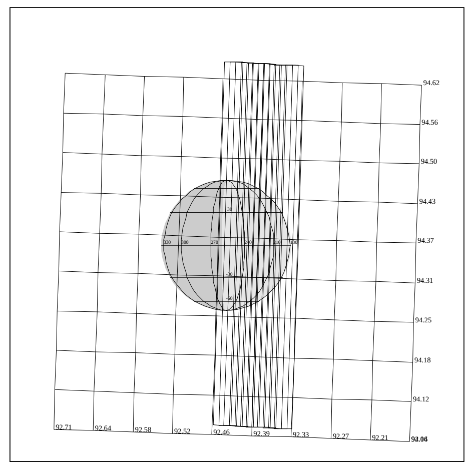
G8INVOLCAN02
97-127/10:28:35

G8INVOLCAN03
97-127/10:33:38







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G8INVOLCAN04
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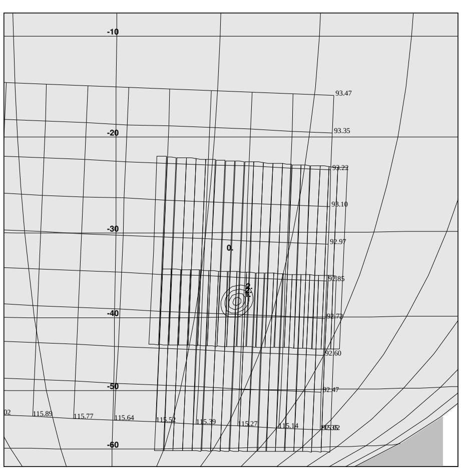

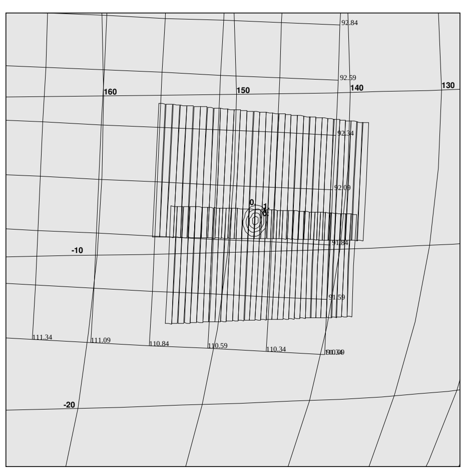

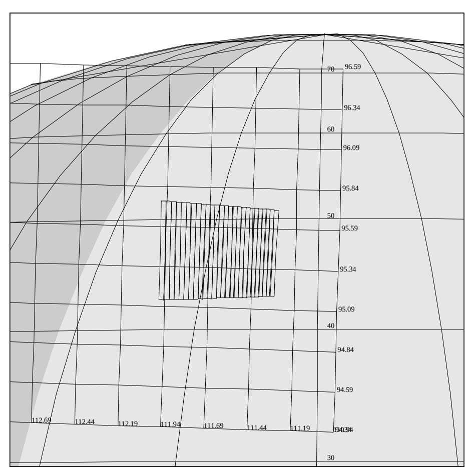

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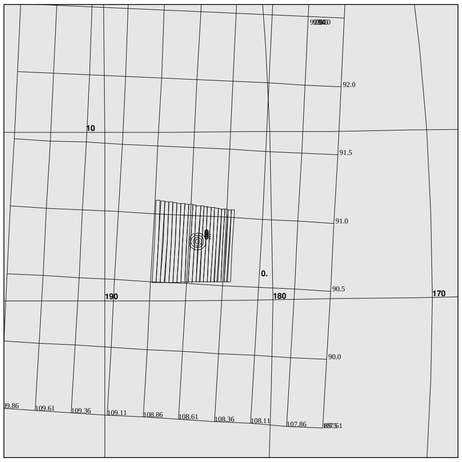
G8GNTRANSI01
97-127/14:56:32

G8 NIMS D



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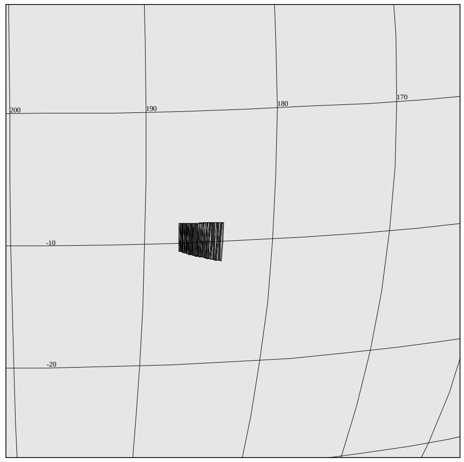

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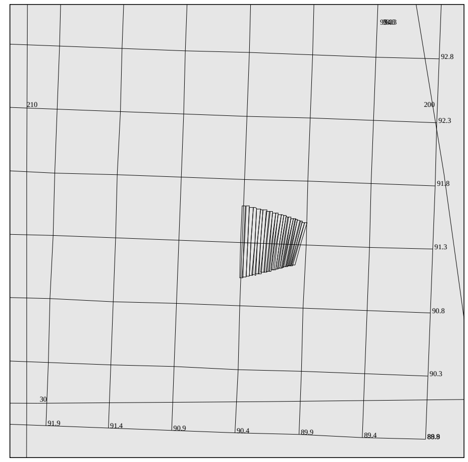

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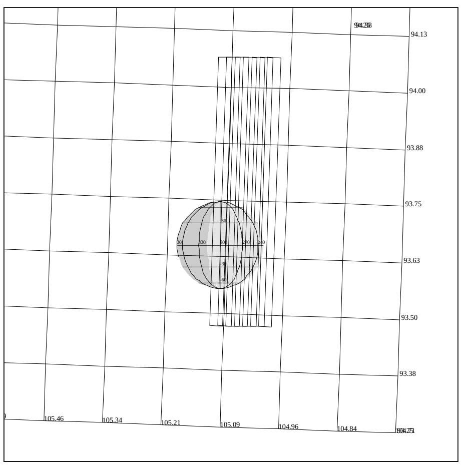

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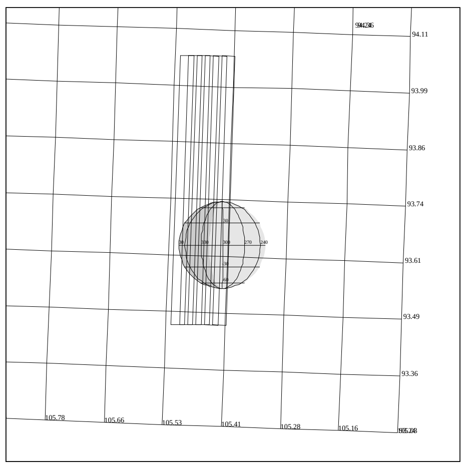

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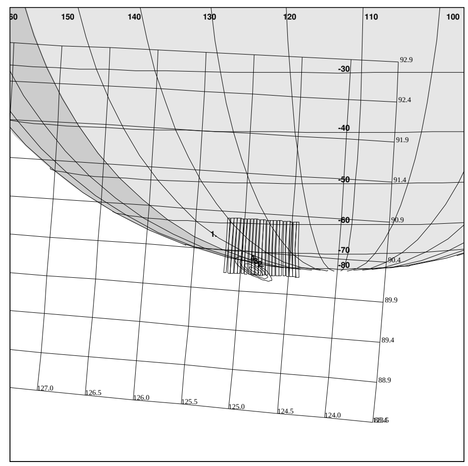

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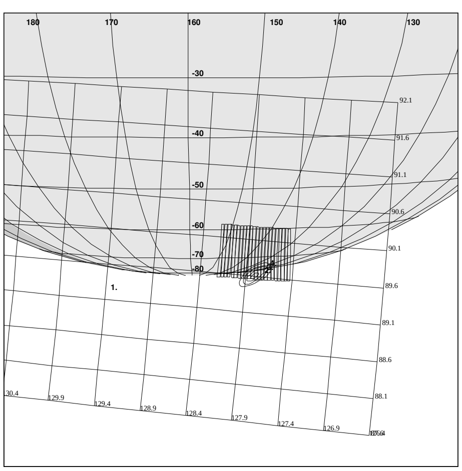

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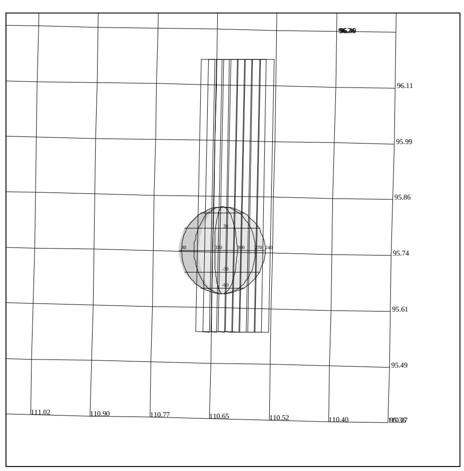

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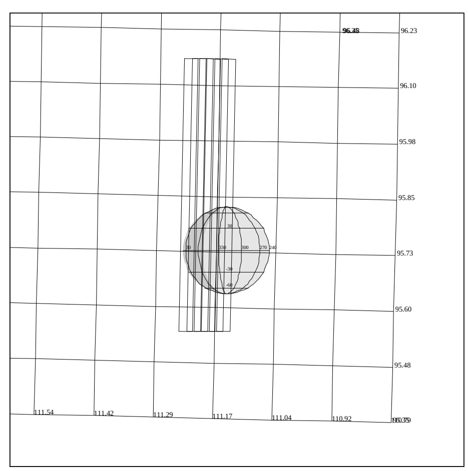

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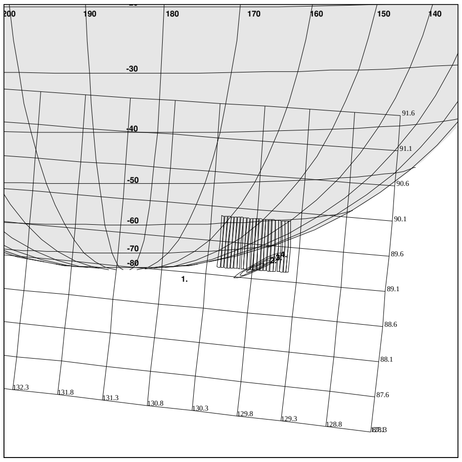
G8 NIMS E



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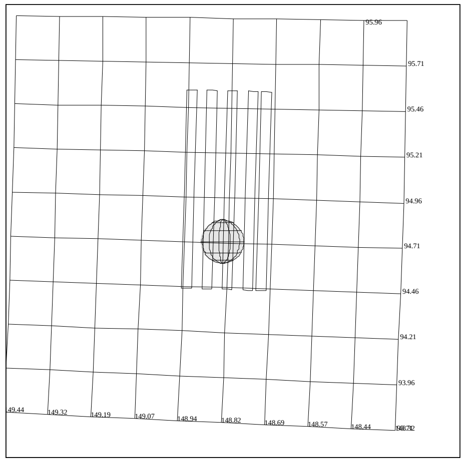

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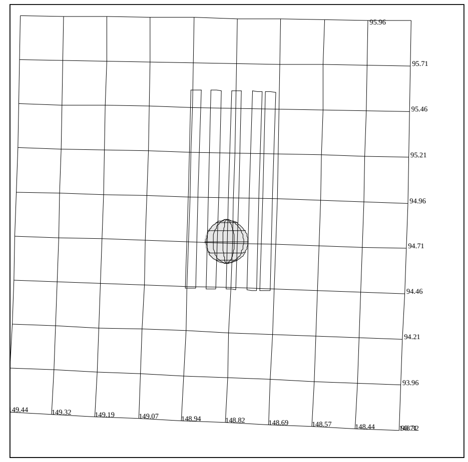

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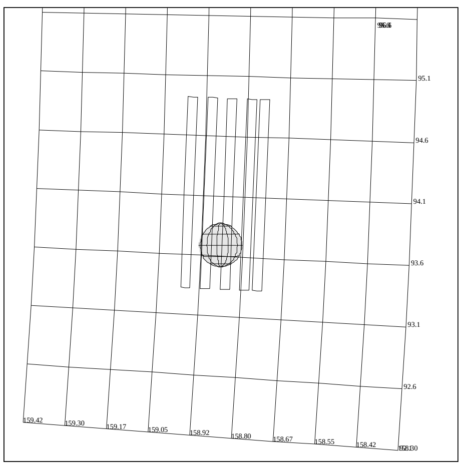

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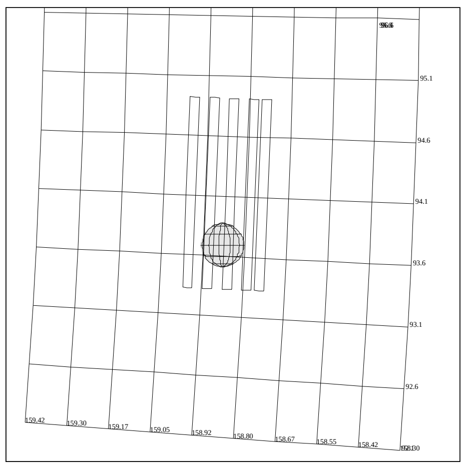

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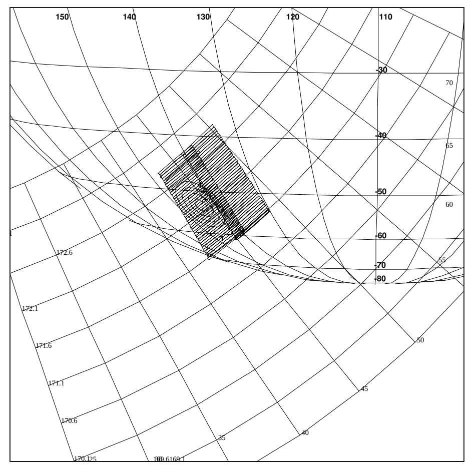

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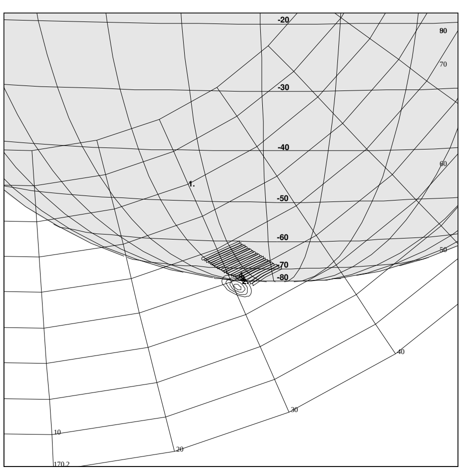

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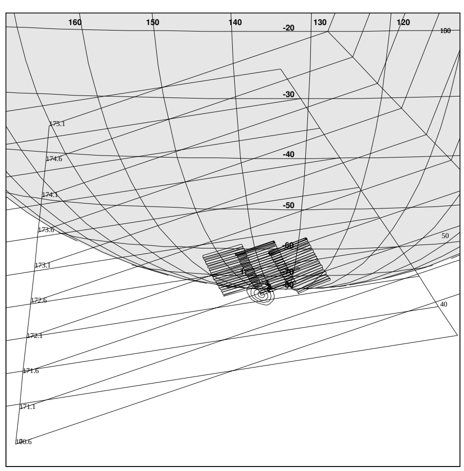

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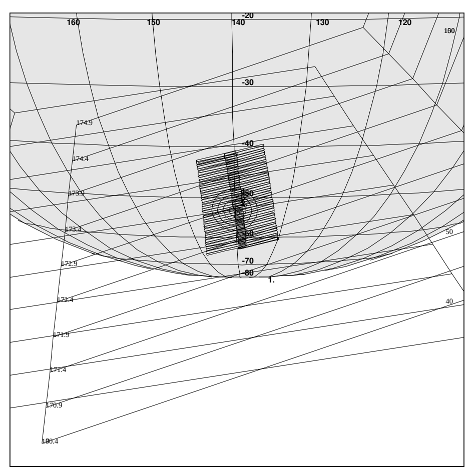

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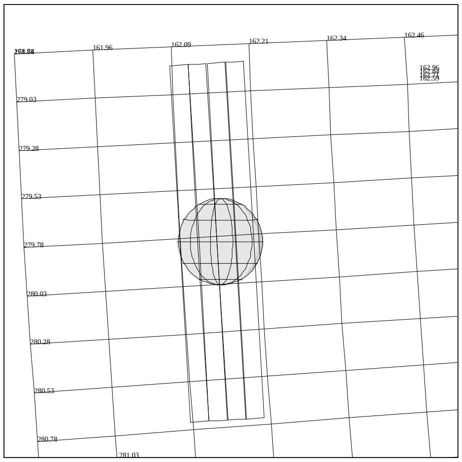
G8 NIMS F



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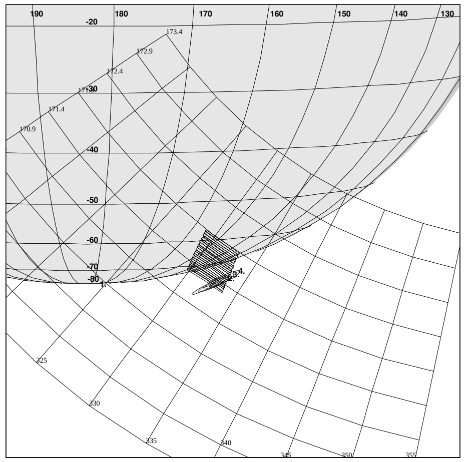

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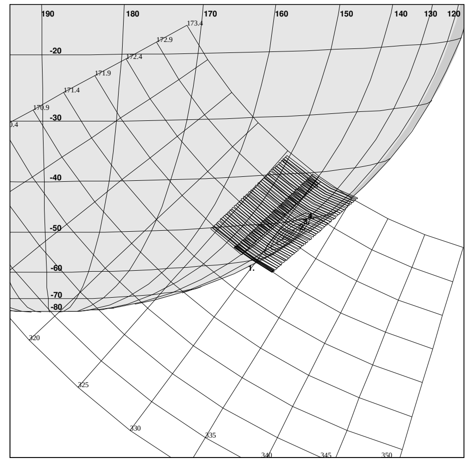

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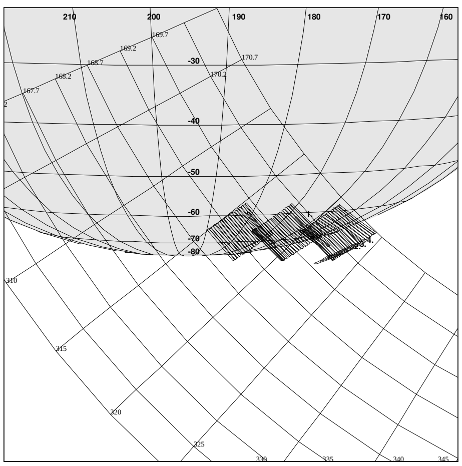

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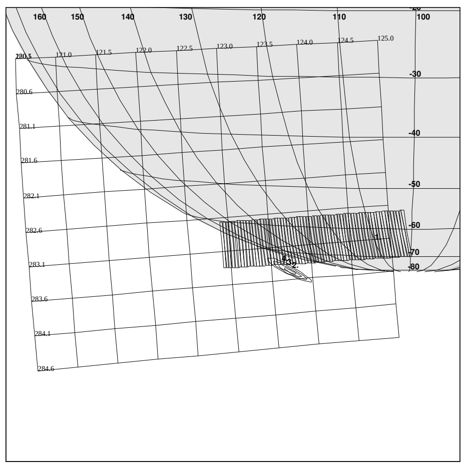

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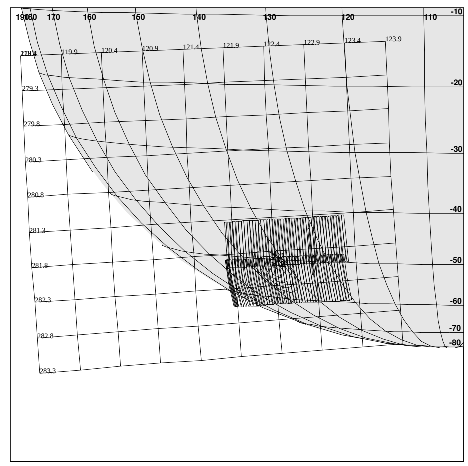

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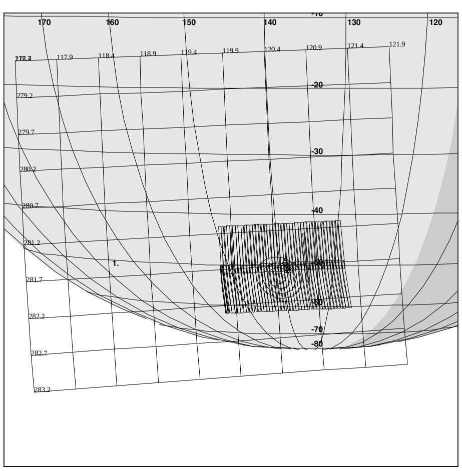

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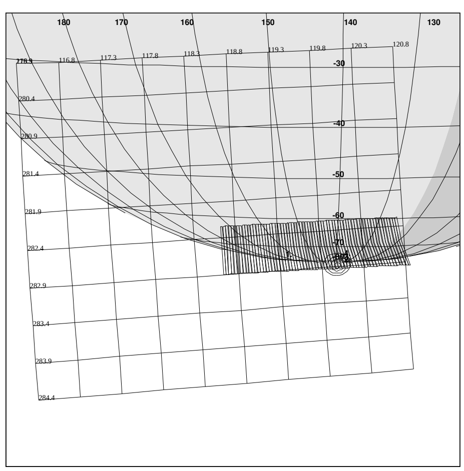

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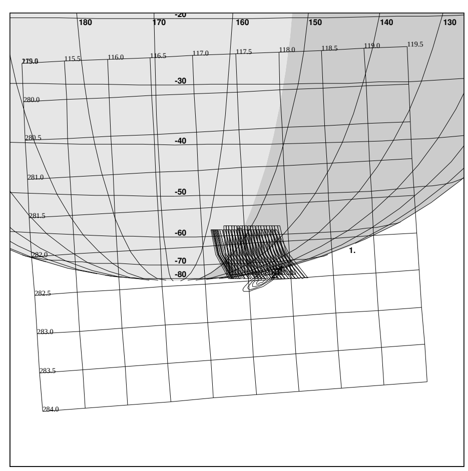

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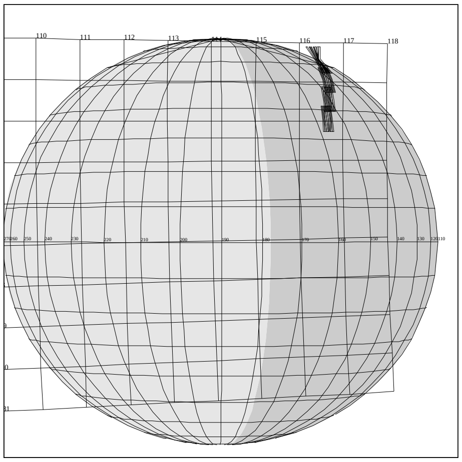
G8 NIMS G



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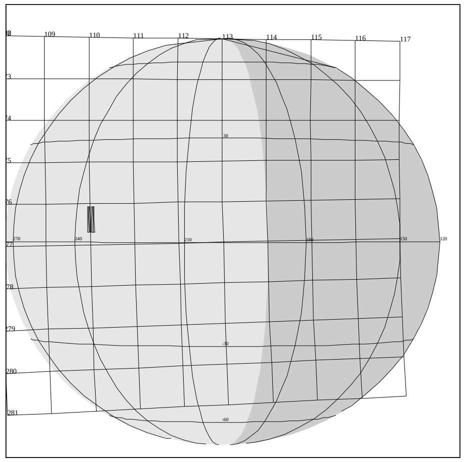

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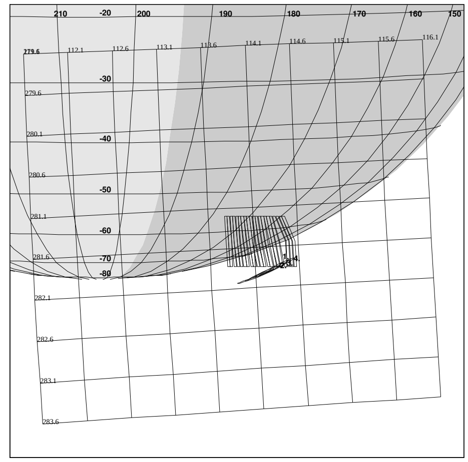

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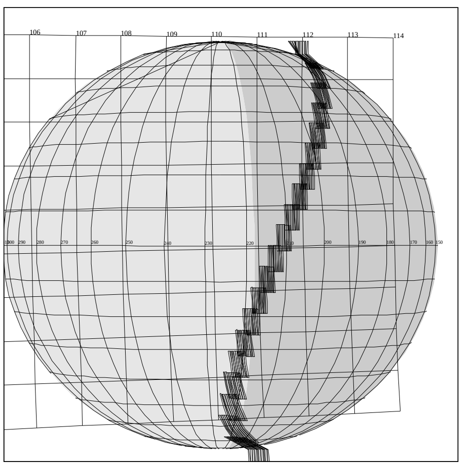

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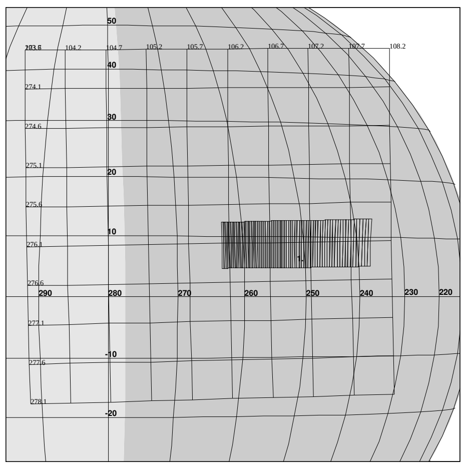

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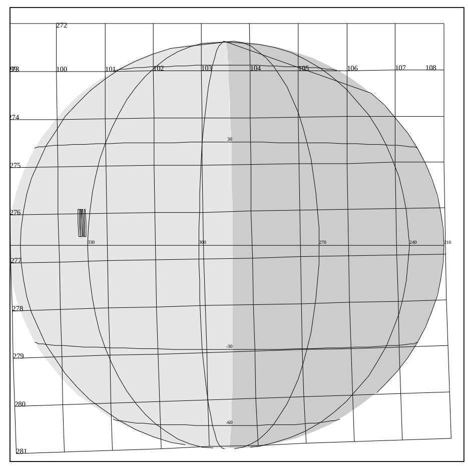

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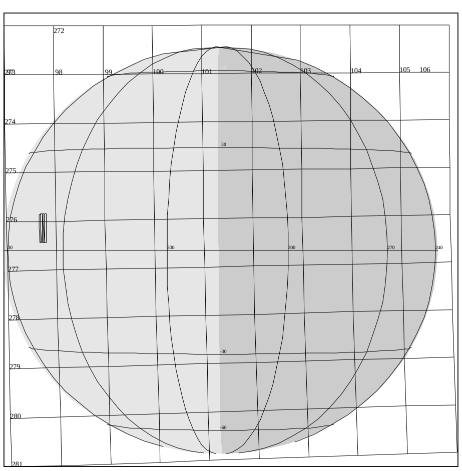

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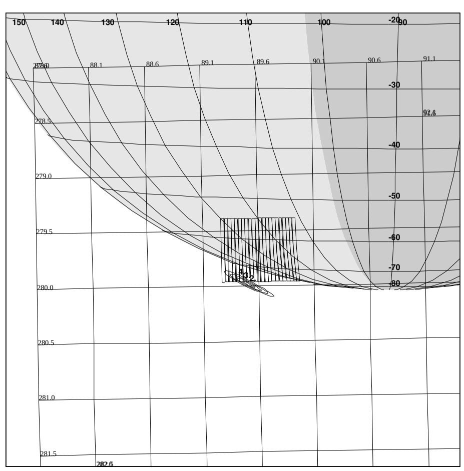

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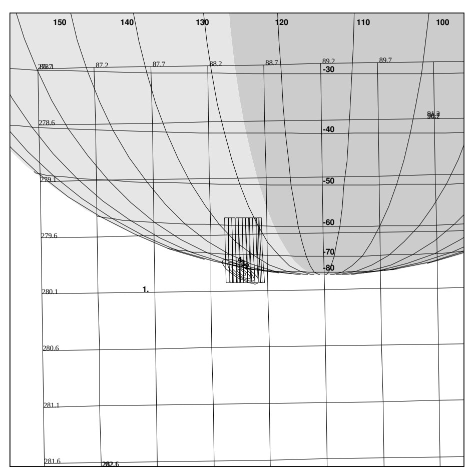

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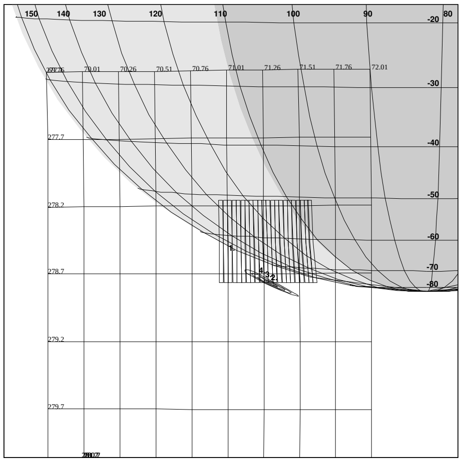

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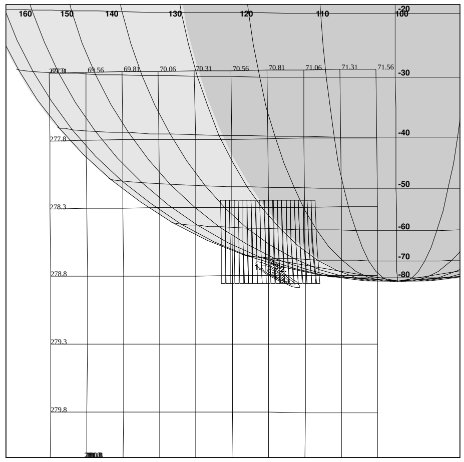

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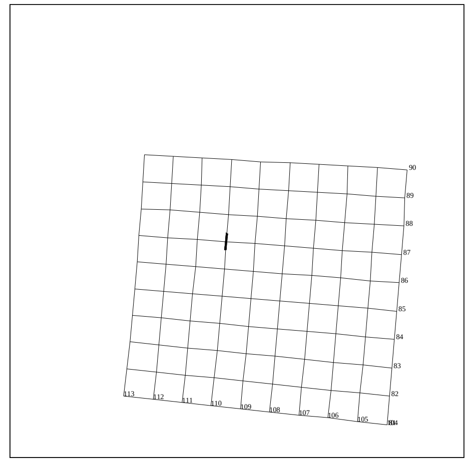

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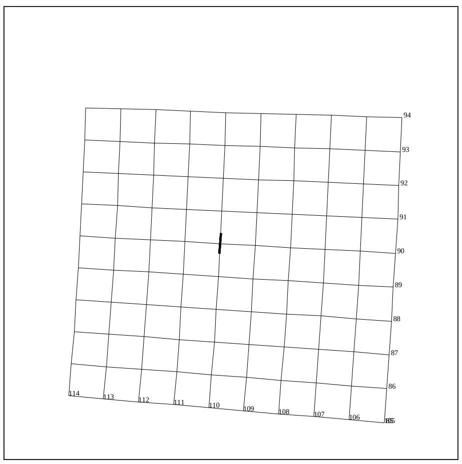

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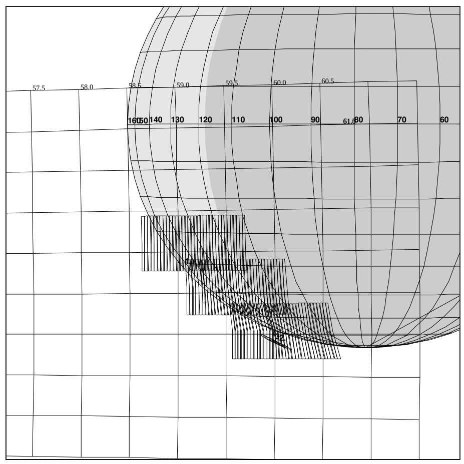

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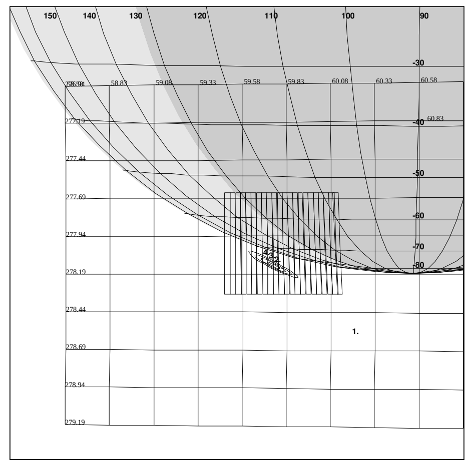

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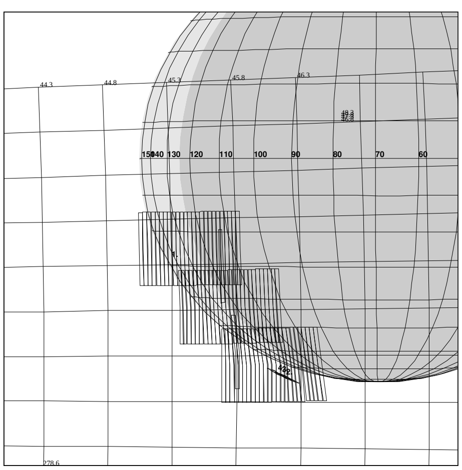

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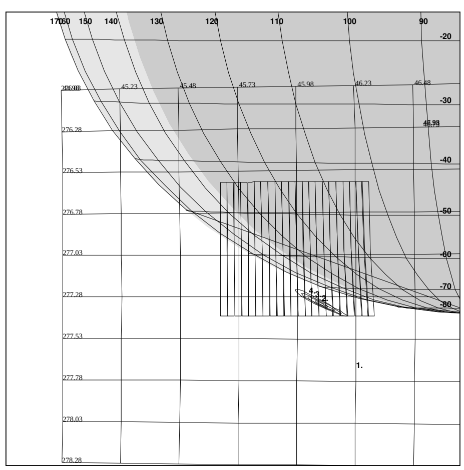

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