

Galileo Ganymede SSI Observations

Orbit	Observation	S-clock*	Resolution (per pixel)	Center Coord.**	Filter	Mode	Rationale/Comments
G1	G1GSGLOBAL01	s0349632000	6.5 km	-6, 153	RED	HIM	
	G1GSGLOBAL02	s0349632100	13 km	-6, 153	GRN	HIS	Continuous record with G1GSGLOBAL01
		s0349632122			VLT	HIS	
		s0349632145			757	HIS	
		s0349632168			989	HIS	
		s0349632200			889	HIS	
	G1GSSURUSUL01	s0349758939	75 m	11, 168	CLR	IM4	Uruk Sulcus. High-res stereo with G2.
		s0349758952			CLR	IM4	
		s0349758952			CLR	IM4	
		s0349758965			CLR	IM4	
		s0349758978			CLR	IM4	
	G1GSGREGIO01	s0349759013	81 m	18, 148	CLR	HIS	Galileo Regio dark terrain.
		s0349759026			CLR	HIS	
		s0349759039			CLR	HIS	
		s0349759052			CLR	HIS	
		s0349759052			CLR	HIS	
		s0349759052			CLR	HIS	
	G1GSMEMPHIO1	s0349760100	65 m	16, 136	CLR	HIS	Radial transect across Memphis Facula
		s0349760100		14, 132	CLR	HIS	palimpsest: palimpsest emplacement & modification.
		s0349760122			CLR	HIS	
	s0349760145			CLR	HIS		
	s0349760168			CLR	HIS		
	s0349760200			CLR	HIS		
	s0349760222			CLR	HIS		
	s0349760222			CLR	HIS		
	s0349760245			CLR	HIS		
	s0349760268			CLR	HIS		
G1GSSULCUS01	s0349761200	10 m	30, 90	CLR	IM4	Severe overexposure and pixel	
	s0349761213			CLR	IM4	"bleeding" in or near Xibalba Sulcus.	
	s0349761226			CLR	IM4		
	s0349761239			CLR	IM4		
G2	G2GSTRANST01	s0359942400	188 m	32, 188	CLR	IM8	Disruption of dark terrain by through-
		s0359942413			CLR	IM8	going grooves.
		s0359942426			CLR	IM8	
		s0359942439			CLR	IM8	
	G2GSCRATER01	s0359944145	220 m	1, 153	GRN	HIS	Dark floor crater Khensu.
		s0359944168			VLT	HIS	
		s0359944200			757	HIS	
		s0359944222			989	HIS	
	G2GSNIPPUR01	s0359944426	99 m	49, 204	CLR	IM8	Complex grooved terrain; grooved
		s0359944439			CLR	IM8	terrain stratigraphy.
		s0359944452			CLR	IM8	
	G2GSGRLVNS01	s0359944639	86 m	40, 202	CLR	IM8	Byblus Sulcus: Incipient grooved
		s0359944652			CLR	IM8	terrain; furrows.
	G2GSGLLREG02	s0359944739	86 m	18, 149	CLR	IM8	High-res stereo with G1 Galileo Regio.
	G2GSPLMPST01	s0359945481	89 m	22, 180	CLR	A18	Epigeus: penepalimpsest on bright
		s0359945484			CLR	A18	terrain; secondaries. Compression
		s0359945488			CLR	A18	higher than expected; alterenate frame
		s0359945500			CLR	A18	"truth windows" aid interpretation.
		s0359945504			CLR	A18	
		s0359945507			CLR	A18	
		s0359945511			CLR	A18	
		s0359945514			CLR	A18	
		s0359945518			CLR	A18	
		s0359945521			CLR	A18	
	G2GSURUKSLO1	s0359945600	43 m	11, 168	CLR	IM8	High-res stereo with G1 Uruk Sulcus:
		s0359945613			CLR	IM8	nature of grooves.
	G2GSLTDKBD01	s0359946135	47 m	60, 170	CLR	A18	Transect across high-latitude
		s0359946139			CLR	A18	light/dark boundary. Compression
		s0359946142			CLR	A18	higher than expected; alterenate frame
		s0359946146			CLR	A18	"truth windows" aid interpretation.
	s0359946149			CLR	A18		
	s0359946153			CLR	A18		

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		s0359946156			CLR	A18	
		s0359946160			CLR	A18	
		s0359946163			CLR	A18	
		s0359946167			CLR	A18	
		s0359946170			CLR	A18	
		s0359946174			CLR	A18	
		s0359946177			CLR	A18	
		s0359946181			CLR	A18	
		s0359946184			CLR	A18	
		s0359946188			CLR	A18	
E6	E6GSCOLOR01	s0383768868	14.4 km		GRN	HIS	Trailing hemisphere color.
		s0383768900			VLT	HIS	
		s0383768922			757	HIS	
		s0383768945			989	HIS	
		s0383768968			889	HIS	
	E6GSGLOBAL01	s0383829900	7.5 km		GRN	HIS	3° phase angle for photometry; only part of 1 frame was downlinked.
		s0383829922			GRN	HIS	
		s0383829945			GRN	HIS	
		s0383829968			GRN	HIS	
	E6GSGLOBAL02	s0383881500	3.6 km		CLR	IM8	Trailing hemisphere Voyager gap-fill.
		s0383881513			CLR	IM8	
G7	G7GSPALIMP01	s0389917900	439 m	31, 334	CLR	IM8	Zakar penepalimpsest.
	G7GSCATENA01	s0389921100	554 m	38, 14	CLR	HIS	Enki Catena.
	G7GSNICHOL01	s0389923000	181 m	-13, 351	CLR	IM8	
		s0389923013				IM8	
		s0389923026				IM8	
	G7GSACHELS01	s0389923200	178 m	63, 12	CLR	IM8	Achelous pedestal crater: ejecta emplacement.
		s0389923213				IM8	
	G7GSNUNSUL01	s0389923400	170 m	45, 318	CLR	IM8	Possible large-scale shear within grooved terrain of Nun Sulci.
		s0389923413			CLR	IM8	
	G7GSNEITH01	s0389923600	148 m	29, 7	CLR	IM8	Neith large-dome crater (dark terrain).
		s0389923613			CLR	IM8	
		s0389923626			CLR	IM8	
		s0389923639			CLR	IM8	
	G7GSKITTU01	s0389923800	145 m	0.5, 334	GRN	HIM	Dark ray crater: full res for morphology
	G7GSKITTU02	s0389923900	279 m	0.5, 334	VLT	HIS	Three summation colors for Kittu
		s0389923922			757	HIS	dark ray composition; joint w/NIMS.
		s0389923945			989	HIS	
G8	G8GSREGCON01	s0394517800	936 m	40, 193	CLR	HIM	Context for high-res G2 observations.
	G8GSTIAMAT01	s0394526200	494 m	0.1, 205	CLR	HIM	Tiamat Sulcus near terminator.
	G8GSMARIUS01	s0394530265	288 m	-18, 156	CLR	IM8	Bright patches within dark terrain.
	G8SRNGBASO1	s0394531265	241 m	-27, 150	CLR	IM8	Candidate multi-ringed basin;
		s0394531278			CLR	IM8	Callisto comparison.
	G8GSBUTOFC01	s0394532139	187 m	14, 203	CLR	IM8	Buto Facula: ancient palimpsest.
		s0394532152			CLR	IM8	
	G8GSMELKRT01	s0394532265	181 m	-10, 186	CLR	IM8	Melkart small-dome crater (bright tn).
		s0394532278			CLR	IM8	
	G8GSCALDRA01	s0394532413	179 m	-31, 184	CLR	IM8	Nature of bright terrain "paterae";
		s0394532426			CLR	IM8	reticulate and smooth terrains.
		s0394532439			CLR	IM8	
		s0394532452			CLR	IM8	
		s0394532478			CLR	IM8	
	G8GSFRACDK01	s0394532745	162 m	7, 157	CLR	HMA	Fractured bright terrain.
	G8GSANSHAR01	s0394532865	150 m	12, 191	CLR	IM8	Primary groove; groove lane origin.
		s0394532878			CLR	IM8	
	G8GSPITCRA01	s0394532965	146 m	24, 194	CLR	IM8	Lugalmeslam pit crater on tn boundary.
	G8GSERECH01	s0394533065	143 m	-16, 177	CLR	IM8	Erech Sulcus: deformation style.
		s0394533078			CLR	HIS	
C9	C9GSSULCUS09	s0401668900	830 m	39, 80	GRN	IM8	Transect of Xibalba Sulcus
		s0401668913			GRN	IM8	linking Galileo and Perrine Regios;
		s0401668926			GRN	IM8	context for high-res G1 observation.
		s0401668939			GRN	IM8	
	C9GSGLOBAL01	s0401701000	4.0 km	0, 90	CLR	IM4	Leading hemisphere Voyager gap fill.

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		s0401701013			CLR	IM4	
		s0401701026			CLR	IM4	
		s0401701039			CLR	IM4	
		s0401701052			CLR	IM4	
		s0401701065			CLR	IM4	
		s0401701078			CLR	IM4	
C10	C10GSGLOCOL01	s0413627100	17 km	290, 100	GRN	HIS	0.2° low phase photometry
		s0413627145			VLT	HIS	
		s0413627200			757	HIS	
		s0413627245			989	HIS	
		s0413627300			889	HIS	
E12	E12GSGLGMSH01	s0426117300	160 m	-57, 130	CLR	IM8	Gilgamesh basin.
		s0426117313			CLR	IM8	
		s0426117326			CLR	IM8	
		s0426117339			CLR	IM8	
E14	E14SGLOBAL01	s0441013078	9.2 km	0, 304	GRN	IM8	Radius/shape; color/photometry;
		s0441013145			VLT	IM8	surface frosts.
		s0441013168			989	IM8	
C20	C20SGSEGAP01	s0498116900	270	sub-S/C, 270	GRN	HIM	Improve geodetic control net.
G28	G28GSSMOOTH01	s0552443500	16 m	-16, 310	CLR	IM4	Assess volcanic vs. tectonic hypotheses
		s0552443513			CLR	IM4	for bright terrain formation and
		s0552443526			CLR	IM4	impactor populations on smooth, bright
		s0552443539			CLR	IM4	terrain.
	G28GSBRTDRK01	s0552443600	20 m	-14, 319	CLR	IM4	Assess nature of breakup of dark terrain
		s0552443613			CLR	IM4	and volcanic vs. tectonic hypotheses for
		s0552443626			CLR	IM4	bright terrain formation.
		s0552443639			CLR	IM4	
		s0552443652			CLR	IM4	
	G28GSNICHOL01	s0552443700	28 m	-15, 337	CLR	IM4	Assess nature of ancient surfaces and
		s0552443713			CLR	IM4	dark terrain impactor population at
		s0552443726			CLR	IM4	small sizes.
		s0552443739			CLR	IM4	
	G28GSARBELA01	s0552443800	34 m	-15, 347	CLR	IM4	Assess shear or volcanic origin of smooth
		s0552443813			CLR	IM4	bright lane.
		s0552443826			CLR	IM4	
		s0552443839			CLR	IM4	
	G28GSCALDRA01	s0552444000	43 m	-34, 318	CLR	IM4	Assess volcanic models for caldera-like
		s0552444013			CLR	IM4	features (paterae).
		s0552444026			CLR	IM4	
		s0552444039			CLR	IM4	
	G28GSSMOOTH02	s0552445100	116 m	-16, 310	CLR	IM4	Stereo/context for 28GSSMOOTH01.
		s0552445113			CLR	IM4	
	G28GSBRTDRK02	s0552445200	121 m	-14, 337	CLR	IM4	Stereo/context for 28GSBRTDRK01.
		s0552445213			CLR	IM4	
	G28GSNICHOL02	s0552445300	125 m	-15, 337	CLR	IM4	Stereo/context for 28GSNICHOL01.
		s0552445313			CLR	IM4	
	G28GSARBELA02	s0552445400	133 m	-15, 347	CLR	IM4	Investigate terminus of smooth lane and
		s0552445413			CLR	IM4	relationship to dark and bright grooved
		s0552445426			CLR	IM4	terrain; stereo/context for 28GSARBELA1
		s0552445439			CLR	IM4	
		s0552445452			CLR	IM4	
		s0552445465			CLR	IM4	
	G28GSCALDRA02	s0552445600	150 m	-24, 318	CLR	IM4	Stereo/context for 28GSCALDRA01.
		s0552445613			CLR	IM4	
	G28GSSMOTHDK01	s0552447568	570 m	-40, 325	CLR	HIS	Operational test of HIS imaging mode,
							targetted to smooth dark terrain
G29	G29GAIRGLO01		--	7, 7	CLR	HMA	Eclipse search for visible airglow.
	G29GSCAPCOL01		0.69-0.77 km	40, 30	GRN	HIM	Perine Regio and polar cap boundary.
					VLT	HIS	"Sample mode" used (every other line).
	G29GSDARDAN01		0.78-0.79 km	-25, 21	CLR	HIM	Dardanus Sulcus and Nicholson Regio.
C30	C30GSTRMMAP01	s0605008700	3.6 km	0, 260	GRN	HIM	Near-terminator mapping in trailing
		s0605008800			GRN	HIM	hemisphere.

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	C30GSGLOCOL01	s0605087600	9.1 km	0, 250	989	HIM	Global color, and completion of globe- encircling Galileo imaging for cartographic control.
		s0605087900			GRN	HIM	
		s0605088200			VLT	HIM	
		s0605088500			757	HIM	
	*Not all frames were downlinked.			**approximate			

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