Data set	Data set parameter	GIBS parameter
SPL1CTB_E	cell_tb_h_fore	Uncorrected Brightness Temperature 9 km (L1, Passive, Fore, H Polarization)
	cell_tb_h_aft	Uncorrected Brightness Temperature 9 km (L1, Passive, Aft, H Polarization)
	cell_tb_v_fore	Uncorrected Brightness Temperature 9 km (L1, Passive, Fore, V Polarization)
	cell_tb_v_aft	Uncorrected Brightness Temperature 9 km (L1, Passive, Aft, V Polarization)
	cell_tb_qual_flag_h_fore	Uncorrected Brightness Temperature 9 km RFI (L1, Passive, Fore, H Polarization)
	cell_tb_qual_flag_h_aft	Uncorrected Brightness Temperature 9 km RFI (L1, Passive, Aft, H Polarization)
	cell_tb_qual_flag_v_fore	Uncorrected Brightness Temperature 9 km RFI (L1, Passive, Fore, V Polarization)
	cell_tb_qual_flag_v_aft	Uncorrected Brightness Temperature 9 km RFI (L1, Passive, Aft, V Polarization)
	cell_tb_qual_flag_h_fore	Uncorrected Brightness Temperature 9 km QA (L1, Passive, Fore, H Polarization)
	cell_tb_qual_flag_h_aft	Uncorrected Brightness Temperature 9 km QA (L1, Passive, Aft, H Polarization)
	cell_tb_qual_flag_v_fore	Uncorrected Brightness Temperature 9 km QA (L1, Passive, Fore, V Polarization)
	cell_tb_qual_flag_v_aft	Uncorrected Brightness Temperature 9 km QA (L1, Passive, Aft, V Polarization)
SPL1CTB	cell_tb_h_fore	Uncorrected Brightness Temperature 36 km (L1, Passive, Fore, H Polarization)
	cell_tb_h_aft	Uncorrected Brightness Temperature 36 km (L1, Passive, Aft, H Polarization)
	cell_tb_v_fore	Uncorrected Brightness Temperature 36 km (L1, Passive, Fore, V Polarization)
	cell_tb_v_aft	Uncorrected Brightness Temperature 36 km (L1, Passive, Aft, V Polarization)
	cell_tb_qual_flag_h_fore	Uncorrected Brightness Temperature 36 km RFI (L1, Passive, Fore, H Polarization)
	cell_tb_qual_flag_h_aft	Uncorrected Brightness Temperature 36 km RFI (L1, Passive, Aft, H Polarization)

	cell_tb_qual_flag_v_fore	Uncorrected Brightness Temperature 36 km RFI (L1, Passive, Fore, V Polarization)
	cell_tb_qual_flag_v_aft	Uncorrected Brightness Temperature 36 km RFI (L1, Passive, Aft, V Polarization)
	cell_tb_qual_flag_h_fore	Uncorrected Brightness Temperature 36 km QA (L1, Passive, Fore, H Polarization)
	cell_tb_qual_flag_h_aft	Uncorrected Brightness Temperature 36 km QA (L1, Passive, Aft, H Polarization)
	cell_tb_qual_flag_v_fore	Uncorrected Brightness Temperature 36 km QA (L1, Passive, Fore, V Polarization)
	cell_tb_qual_flag_v_aft	Uncorrected Brightness Temperature 36 km QA (L1, Passive, Aft, V Polarization)
SPL1BTB	faraday_rotation_angle	Faraday Rotation Angle (L1, Passive, Aft)
		Faraday Rotation Angle (L1, Passive, Fore)
SPL2SMP_E	soil_moisture_option1	Soil Moisture 9 km (L2, Passive, Day, Single Channel Algorithm, H-pol)
	soil_moisture_option2	Soil Moisture 9 km (L2, Passive, Day, Single Channel Algorithm, V-pol)
	soil_moisture_option3	Soil Moisture 9 km (L2, Passive, Day, Dual Channel Algorithm)
	soil_moisture_option1	Soil Moisture 9 km (L2, Passive, Night, Single Channel Algorithm, H-pol)
	soil_moisture_option2	Soil Moisture 9 km (L2, Passive, Night, Single Channel Algorithm, V-pol)
	soil_moisture_option3	Soil Moisture 9 km (L2, Passive, Night, Dual Channel Algorithm)
SPL2SMP	soil_moisture_option1	Soil Moisture 36 km (L2, Passive, Day, Single Channel Algorithm, H-pol)
	soil_moisture_option2	Soil Moisture 36 km (L2, Passive, Day, Single Channel Algorithm, V-pol)
	soil_moisture_option3	Soil Moisture 36 km (L2, Passive, Day, Dual Channel Algorithm)
	soil_moisture_option1	Soil Moisture 36 km (L2, Passive, Night, Single Channel Algorithm, H-pol)
	soil_moisture_option2	Soil Moisture 36 km (L2, Passive, Night, Single Channel Algorithm, V-pol)

	soil_moisture_option3	Soil Moisture 36 km (L2, Passive, Night, Dual Channel Algorithm)
SPL2SMAP_S	soil_moisture	Soil Moisture (L2, Active-Passive, Radiometer and Radar)
SPL3SMP_E	soil_moisture	Soil Moisture 9 km (L3, Passive, Day)
	soil_moisture_pm	Soil Moisture 9 km (L3, Passive, Night)
SPL3SMP	soil_moisture	Soil Moisture 36 km (L3, Passive, Day)
	soil_moisture_pm	Soil Moisture 36 km (L3, Passive, Night)
	tb_h_corrected	Corrected Brightness Temperature (L3, Passive, H Polarization)
	tb_v_corrected	Corrected Brightness Temperature (L3, Passive, V Polarization)
SPL3FTP_E	freeze_thaw	Freeze/Thaw 9 km (L3, Passive, Day)
		Freeze/Thaw 9 km (L3, Passive, Night)
SPL3FTP	freeze_thaw	Freeze/Thaw 36 km (L3, Passive, Day)
		Freeze/Thaw 36 km (L3, Passive, Night)
SPL3SMA	sigma0_hh_mean	Sigma0 3 km (L3, Active, HH Polarization)
	sigma0_vv_mean	Sigma0 3 km (L3, Active, VV Polarization)
	sigma0_xpol_mean	Sigma0 3 km (L3, Active, XPOL Polarization)
	sigma0_qual_flag_hh	Sigma0 3 km RFI (L3, Active, HH Polarization)
	sigma0_qual_flag_vv	Sigma0 3 km RFI (L3, Active, VV Polarization)
	sigma0_qual_flag_xpol	Sigma0 3 km RFI (L3, Active, XPOL Polarization)
	sigma0_qual_flag_hh	Sigma0 3 km QA (L3, Active, HH Polarization)
	sigma0_qual_flag_vv	Sigma0 3 km QA (L3, Active, VV Polarization)
	sigma0_qual_flag_xpol	Sigma0 3 km QA (L3, Active, XPOL Polarization)
	soil_moisture	Soil Moisture 3 km (L3, Active)
SPL3SMAP	soil_moisture	Soil Moisture 9 km (L3, Active/Passive)
	tb_h_disaggregated	Disaggregated Brightness Temperature 9 km (L3, Active/Passive, H Polarization)
	tb_v_disaggregated	Disaggregated Brightness Temperature 9 km (L3, Active/Passive, V Polarization)
SPL4SMAU	sm_rootzone_analysis	Root Zone Soil Moisture 9 km (L4, 12z Instantaneous)

	sm_rootzone_analysis_ensstd	Root Zone Soil Moisture Uncertainty 9 km (L4, 12z Instantaneous)
	sm_surface_analysis	Surface Soil Moisture 9 km (L4, 12z Instantaneous)
	sm_surface_analysis_ensstd	Surface Soil Moisture Uncertainty 9 km (L4, 12z Instantaneous)
	soil_temp_layer1_analysis	Surface Soil Temperature 9 km (L4, 12z Instantaneous)
SPL4SMGP	snow_mass	Snow Mass 9 km (L4, 12z-3z Average)
SPL4CMDL	nee_mean	Net Ecosystem CO2 Exchange (L4, 9 km Grid Cell Mean)
	nee_mean	Net Ecosystem CO2 Exchange Uncertainty 9 km (L4, 9 km Grid Cell Mean)
	gpp_mean	Gross Primary Production (L4, 9 km Grid Cell Mean)
	rh_mean	Heterotrophic Respiration (L4, 9 km Grid Cell Mean)
	emult_mean	Percent of Potential Vegetation Light Use Efficiency (L4, 9 km Grid Cell Mean)
	frozen_area	Percent Frozen Area (L4, 9 km Grid Cell Coverage)
SMAP / Space-Track		SMAP Orbital Track & Overpass Time (Ascending/Night)
SMAP / Space-Track		SMAP Orbital Track & Overpass Time (Descending/Day)