

Frame and Instrument Names and IDs for ESA Missions

April 2005

- Name/ID pairs are defined in the FK and assigned by:
 - **Mission IDs:** NAIF Team from ID Code given to the S/C by the DSN authorities.
 - **Frames IDs:** SOC Teams (in agreement with NAIF).
 - **Instrument IDs:** SOC Teams (in agreement with NAIF).

- Construction of Frame/Instrument Names:

MISSION_#[_SECTION]

MISSION: Mission Name or Acronym (MEX, ROS, SMART1, VEX)
#: spacecraft structure or instrument name (i.e. SA+Y, HRSC)
_SECTION: (optional) Spacecraft Structure/Instrument section name (i.e. BAPTA, SRC, etc).

Examples:

MEX_SA+Y_GIMBAL, ROS_OSIRIS_NAC, SMART1_KATE_KA

- Construction of Frame/Instrument ID Codes:

(SCID)*1000 - (INSTR)

SCID: Spacecraft ID (MEX: -41, ROS: -226, SM1: -238, VEX: -248)

INSTR: Spacecraft structure or Instrument Number

- Spacecraft structures and Instrument ID codes:

- See next tables for a complete list of Name/ID codes as defined in the current version of the FKs (ROS/URF frames NOT included).



MEX Names/IDs



MEX, MARS EXPRESS	-41	MEX ASPERA	-41100	MEX MARSIS	-41300
MEX SPACECRAFT, MEX_SC	-41000	MEX ASPERA_URF	-41110	MEX MARSIS_DIPOLE_1	-41310
		MEX ASPERA_SAF	-41111	MEX MARSIS_DIPOLE_2	-41320
MEX_SA+Y	-41011	MEX ASPERA_ELS	-41120	MEX MARSIS_MONOPOLE	-41330
MEX_SA-Y	-41012	MEX ASPERA_NPI	-41130		
MEX_SA+Y_GIMBAL	-41013	MEX ASPERA_NPD1	-41141	MEX_OMEGA	-41400
MEX_SA-Y_GIMBAL	-41014	MEX ASPERA_NPD2	-41142	MEX_OMEGA_VNIR	-41410
		MEX ASPERA_IMA_URF	-41150	MEX_OMEGA_SWIR	-41420
MEX_HGA	-41020	MEX ASPERA_IMA	-41151	MEX_OMEGA_SWIR_C	-41421
MEX_MELACOM_1	-41031	MEX ASPERA_IMAS	-41152	MEX_OMEGA_SWIR_L	-41422
MEX_MELACOM_2	-41032	MEX ASPERA_SS1	-41161		
MEX_LGA	-41040	MEX ASPERA_SS2	-41162	MEX_PFS	-41500
				MEX_PFS_SWC	-41510
		MEX_HRSC	-41200	MEX_PFS_LWC	-41520
		MEX_HRSC_HEAD	-41210	MEX_PFS_SCANNER	-41530
		MEX_HRSC_S2	-41211		
		MEX_HRSC_RED	-41212	MEX_SPICAM	-41600
		MEX_HRSC_P2	-41213	MEX_SPICAM_SIR	-41610
		MEX_HRSC_BLUE	-41214	MEX_SPICAM_SIR_SOLAR	-41611
		MEX_HRSC_NADIR	-41215	MEX_SPICAM_SUV	-41620
		MEX_HRSC_GREEN	-41216	MEX_SPICAM_SUV_SOLAR	-41621
		MEX_HRSC_P1	-41217		
		MEX_HRSC_IR	-41218		
		MEX_HRSC_S1	-41219		
		MEX_HRSC_SRC	-41220		



MEX Frame Names



MEX SPACECRAFT	MEX ASPERA_URF	MEX MARSIS_DIPOLE_1
MEX_SC_REF	MEX ASPERA_SAF	MEX MARSIS_DIPOLE_2
	MEX ASPERA_ELS	MEX MARSIS_MONOPOLE
MEX_SA+Y	MEX ASPERA_NPI	
MEX_SA-Y	MEX ASPERA_NPD1	MEX_OMEGA_SWIR_C
	MEX ASPERA_NPD2	MEX_OMEGA_SWIR_L
MEX_HGA	MEX ASPERA_IMA_URF	MEX_OMEGA_VNIR
MEX_MELACOM_1	MEX ASPERA_IMA	
MEX_MELACOM_2	MEX ASPERA_IMAS	MEX_PFS_BASE
MEX_LGA	MEX ASPERA_SS1	MEX_PFS_SCANNER
	MEX ASPERA_SS2	MEX_PFS_SWC
		MEX_PFS_LWC
	MEX_HRSC_BASE	MEX_PFS_25_LEFT
	MEX_HRSC_HEAD	MEX_PFS_12_LEFT
	MEX_HRSC_SRC	MEX_PFS_NADIR
		MEX_PFS_12_RIGHT
		MEX_PFS_25_RIGHT
		MEX_PFS_COLD_SPACE
		MEX_SPICAM_BASE
		MEX_SPICAM_SIR
		MEX_SPICAM_SIR_SOLAR
		MEX_SPICAM_SUV
		MEX_SPICAM_SUV_SOLAR



Rosetta Names/IDs



ROS, ROSETTA, ROSETTA ORBITER	-226	ROS_OSIRIS	-226110	ROS_NAVCAM-A	-226170
ROS_SPACECRAFT, ROS_SC	-226000	ROS_OSIRIS_NAC	-226111	ROS_NAVCAM-B	-226180
		ROS_OSIRIS_WAC	-226112	ROS_RPC	-226500
ROS_SA+Y	-226010			ROS_RPC_LAP1	-226511
ROS_SA-Y	-226020	ROS_MIRO	-226130	ROS_RPC_LAP2	-226512
ROS_SA+Y_GIMBAL	-226011	ROS_MIRO_MM	-226131	ROS_RPC_IES	-226520
ROS_SA-Y_GIMBAL	-226021	ROS_MIRO_SUBMM	-226132	ROS_RPC_IES_ELECTRON	-226521
ROS_MGA-S	-226030			ROS_RPC_IES_ION	-226522
ROS_MGA-X	-226040	ROS_COSIMA	-226140	ROS_RPC_IES_QUAD1	-226526
ROS_LGA-1	-226050	ROS_MIDAS	-226150	ROS_RPC_IES_QUAD2	-226527
ROS_LGA-2	-226060	ROS_CONSERT	-226160	ROS_RPC_IES_QUAD3	-226528
ROS_HGA	-226070			ROS_RPC_IES_QUAD4	-226529
ROS_HGA_GIMBAL	-226071	ROS_ROSINA	-226300	ROS_RPC_ICA	-226530
		ROS_ROSINA_DFMS	-226310	ROS_RPC_ICA_QUAD1	-226536
ROS_ALICE	-226120	ROS_ROSINA_DFMS_WA	-226311	ROS_RPC_ICA_QUAD2	-226537
ROS_ALICE_CENTER	-226121	ROS_ROSINA_DFMS_NA	-226312	ROS_RPC_ICA_QUAD3	-226538
ROS_ALICE_OUTER1	-226122	ROS_ROSINA_RTOF	-226320	ROS_RPC_ICA_QUAD4	-226539
ROS_ALICE_OUTER2	-226123	ROS_ROSINA_COPS	-226330	ROS_RPC_MAG1	-226541
ROS_ALICE_PINHOLE	-226124	ROS_GIADA	-226400	ROS_RPC_MAG2	-226542
ROS_VIRTIS	-226200	ROS_GIADA_GDS	-226410	ROS_RPC_MIP	-226550
ROS_VIRTIS-M	-226210	ROS_GIADA_IS	-226420	ROS_RPC_MIP_R1	-226551
ROS_VIRTIS-M_VIS	-226211	ROS_GIADA_MBS1	-226431	ROS_RPC_MIP_T1	-226552
ROS_VIRTIS-M_VIS_SCAN	-226212	ROS_GIADA_MBS2	-226432	ROS_RPC_MIP_R2	-226553
ROS_VIRTIS-M_IR	-226213	ROS_GIADA_MBS3	-226433	ROS_RPC_MIP_T2	-226554
ROS_VIRTIS-M_IR_SCAN	-226214	ROS_GIADA_MBS4	-226434	ROS_RPC_BOOM1	-226560
ROS_VIRTIS-H	-226220	ROS_GIADA_MBS5	-226435	ROS_RPC_BOOM2	-226570



Rosetta Frame Names



ROS_SPACECRAFT	ROS_OSIRIS_NAC	ROS_NAVCAM-A
	ROS_OSIRIS_WAC	ROS_NAVCAM-B
ROS_SA+Y		
ROS_SA-Y	ROS_MIRO	ROS_RPC_LAP1
	ROS_MIRO_MM	ROS_RPC_LAP2
ROS_MGA-S	ROS_MIRO_SUBMM	ROS_RPC_IES
ROS_MGA-X		ROS_RPC_ICA
ROS_LGA-1	ROS_COSIMA	ROS_RPC_MAG1
ROS_LGA-2		ROS_RPC_MAG2
ROS_HGA	ROS_MIDAS	ROS_RPC_MIP
		ROS_RPC_BOOM1
ROS_ALICE	ROS_CONSERT	ROS_RPC_BOOM2
ROS_VIRTIS-M	ROS_GIADA_GDS	
ROS_VIRTIS-M_VIS	ROS_GIADA_IS	
ROS_VIRTIS-M_VIS_SCAN	ROS_GIADA_MBS1	
ROS_VIRTIS-M_IR	ROS_GIADA_MBS2	
ROS_VIRTIS-M_IR_SCAN	ROS_GIADA_MBS3	
ROS_VIRTIS-H	ROS_GIADA_MBS4	
	ROS_GIADA_MBS5	



SMART-1 Names/IDs



SMART-1, SMART1, SM1, S1	-238	SMART1_AMIE_CCD	-238100	SMART1_DCIXS	-238300
SMART1_SPACECRAFT	-238000	SMART1_AMIE_NONE	-238110	SMART1_DCIXS_FACET1	-238310
SMART1_SC	-238000	SMART1_AMIE_LASER	-238120	SMART1_DCIXS_FACET2	-238320
		SMART1_AMIE_VIS_X	-238130	SMART1_DCIXS_FACET3	-238330
SMART1_SA+Y	-238010	SMART1_AMIE_VIS_Y	-238131		
SMART1_SA-Y	-238020	SMART1_AMIE_FEL_X	-238140	SMART1_KATE_X	-238400
SMART1_SA+Y_BAPTA	-238011	SMART1_AMIE_FEL_Y	-238141	SAMRT1_KATE_KA	-238410
SMART1_SA-Y_BAPTA	-238021	SMART1_AMIE_FEH_X	-238150		
		SMART1_AMIE_FEH_Y	-238151	SMART1_SPEDE_+X	-238600
SMART1_MGA	-238030			SMART1_SPEDE_-X	-238610
SMART1_LGA-1	-238040	SMART1_SIR	-238200		
SMART1_LGA-2	-238050			SMART1_XSM	-238700



SMART-1 Frame Names



SMART1_SPACECRAFT	SMART1_AMIE_CCD	SMART1_DCIXS
	SMART1_AMIE_NONE	
SMART1_SA+Y	SMART1_AMIE_LASER	SMART1_KATE_X
SMART1_SA-Y	SMART1_AMIE_VIS_X	SAMRT1_KATE_KA
SMART1_SA+Y_BAPTA	SMART1_AMIE_VIS_Y	
SMART1_SA-Y_BAPTA	SMART1_AMIE_FEL_X	SMART1_SPEDE_+X
	SMART1_AMIE_FEL_Y	SMART1_SPEDE_-X
SMART1_MGA	SMART1_AMIE_FEH_X	
SMART1_LGA-1	SMART1_AMIE_FEH_Y	SMART1_XSM
SMART1_LGA-2		
	SMART1_SIR	