10. GRAPE		
Table Name	**Column Name**	**Column Comment**
Gra_Calibration	density_calibration_id	This is a unique Oracle generated sequence number for each density calibration recorded for the GRAPE instrument.
	calibration_date_time	Time stamp identifying when calibration was done - supplied by instrument data files
	run_number	number identifying a run generated by the Labview Data acquisition software. This number is not used to identify the run in Janus because it may not be unique.
	system_id	identifier for a system of equipment on the ship
	liner_status	Records if a core liner was used, a split liner or no liner. Valid values are none, half and full.
	requested_daq_period	The data acquisition period requested in seconds
	density_m0	The intercept (m0) determined for a GRAPE calibration, in g/cm^3
	density_m1	The slope (m1) determined for a GRAPE calibration, in (g/cm^3)/counts
	density_mse	The mean squared error determined for a GRAPE calibration.
	comments	General comments
Gra_Calibration_Data	density_calibration_id	This is a unique Oracle generated sequence number for each density calibration recorded for the GRAPE instrument.
	mst_top_interval	The top interval of a measurement in meters measured from the top of a section
	standard_id	identifier for a physical properties standard
	mst_bottom_interval	the bottom interval of a measurement in meters measured from the top of a section
	standard_density	density of the standard in g/cm^3
	actual_daq_period	The actual data acquisition period used for measurements, in seconds
	meas_counts	the actual raw measured counts collected by a MST instrument during a measurement.
Gra_Ctrl_1	gra_ctrl_1_id	unique Oracle generated sequence identifier for GRAPE control-1 runs, used to compare a sample run to a control-1 run.
	run_number	number identifying a run generated by the Labview Data acquisition software. This number is not used to identify the run in Janus because it may not be unique.
	run_date_time	the date and time of a run
	core_status	Indicates is a full or half (split) core is being analyzed. Valid values are half or full.
	liner_status	Records if a core liner was used, a split liner or no liner. Valid values are none, half and full.
	requested_daq_interval	the data acquisition interval requested for section analysis in cm
	requested_daq_period	The data acquisition period requested in seconds
	density_calibration_id	This is a unique Oracle generated sequence number for each density calibration recorded for the GRAPE instrument.
	standard_id	identifier for a physical properties standard
Gra_Ctrl_1_Data	gra_ctrl_1_id	unique Oracle generated sequence identifier for GRAPE control-1 runs, used to compare a sample run to a control-1 run.
	mst_top_interval	The top interval of a measurement in meters measured from the top of a section
	mst_bottom_interval	the bottom interval of a measurement in meters measured from the top of a section
	actual_daq_period	The actual data acquisition period used for measurements, in seconds
	meas_counts	the actual raw measured counts collected by a MST instrument during a measurement.
	core_diameter	Diameter of core in cm

Gra_Ctrl_2	gra_ctrl_2_id	Unique Oracle generated sequence identifier for GRAPE control-2 runs, used to associated a sample run to a control-2 run.
	run_number	number identifying a run generated by the Labview Data acquisition software. This number is not used to identify the run in Janus because it may not be unique.
	run_date_time	the date and time of a run
	requested_daq_period	The data acquisition period requested in seconds
	density_calibration_id	This is a unique Oracle generated sequence number for each density calibration recorded for the GRAPE instrument.
	actual_daq_period	The actual data acquisition period used for measurements, in seconds
	meas_counts	the actual raw measured counts collected by a MST instrument during a measurement.
Gra_Ctrl_3	gra_ctrl_3_id	Unique Oracle generated sequence identifier for GRAPE control-3 runs, used to associate a sample run to a control-3 run.
	run_number	number identifying a run generated by the Labview Data acquisition software. This number is not used to identify the run in Janus because it may not be unique.
	run_date_time	the date and time of a run
	requested_daq_period	The data acquisition period requested in seconds
	density_calibration_id	This is a unique Oracle generated sequence number for each density calibration recorded for the GRAPE instrument.
	standard_id	identifier for a physical properties standard
	actual_daq_period	The actual data acquisition period used for measurements, in seconds
	meas_counts	the actual raw measured counts collected by a MST instrument during a measurement.
Gra_Section	gra_id	Unique number specifying grape run
	section_id	Unique number generated by system to identify section. This is done because of the physical subsection/0 section problems. In adding new sections, deleting sections or changing sections don't want to have to ripple up
	run_number	number identifying a run generated by the Labview Data acquisition software. This number is not used to identify the run in Janus because it may not be unique.
	run_date_time	the date and time of a run
	core_status	Indicates is a full or half (split) core is being analyzed. Valid values are half or full.
	liner_status	Records if a core liner was used, a split liner or no liner. Valid values are none, half and full.
	requested_daq_interval	the data acquisition interval requested for section analysis in cm
	requested_daq_period	The data acquisition period requested in seconds
	density_calibration_id	This is a unique Oracle generated sequence number for each density calibration recorded for the GRAPE instrument.
	mst_gra_ctrl_2_id	a null role of the gra_ctrl_2_id attribute. This is needed because the section data is loaded into the database before the control-2 run data.
	mst_gra_ctrl_3_id	a null role of the gra_ctrl_3_id attribute. This is needed because the section data is loaded before the control-3 run.
Gra_Section_Data	gra_id	Unique number specifying grape run
	mst_top_interval	The top interval of a measurement in meters measured from the top of a section
	mst_bottom_interval	the bottom interval of a measurement in meters measured from the top of a section
	actual_daq_period	The actual data acquisition period used for measurements, in seconds

	meas_counts	the actual raw measured counts collected by a MST instrument during a measurement.
	core_diameter	Diameter of core in cm
	boyce_corrected_density	
Physical_Properties_Standard	standard_id	identifier for a physical properties standard
	standard_name	Name of a physical properties standard
	standard_set_name	The name for a set of physical properties standards
	date_time_commissioned	The date that a physical properties standard went into use
	date_time_decommissioned	The date that a physical properties standard discontinues being used.
	lot_serial_number	Information concerning the lot and/or serial number associated with a physical properties standard
	comments	General comments
Section	section_id	Unique number generated by system to identify section. This is done because of the physical subsection/0 section problems. In adding new sections, deleting sections or changing sections don't want to have to ripple up
	leg	Number identifying the cruise for which data was entered into the database. Defaults.leg is the current leg for the ship-based version of the Janus application, this value populates the read-only Leg field during the in
	site	Number identifying the site from which the core was retrieved. A site is the position of a beacon around which holes are drilled. Defaults.site is the current site for the ship-based version of the Janus app. and will p
	hole	Letter identifying the hole at a site from which a core was retrieved or data was collected. Defaults.hole is the current hole for the ship-based version of the Janus app. and will populate the hole field when screens a
	Core	Sequential numbers identifying the cores retrived from a particular hole. Cores are generally 9.5 meters in length, and are numbered serially from the top of the hole downward.
	core_type	A letter code identifying the drill bit/coring method used to retrieve the core. The coretype is only reported in the post-leg113 processed data file.
	section_number	Section number. If n regular sections then core catcher is section n+1
	section_type	Used to differentiate sections of core (S)from core catchers (C). Previously core catchers were stored as section number CC, but in Janus core catchers are given the next sequential number from the last section recovere
	curated_length	The length of the nth core section in cm sent to the repository. This may be different than the liner length for the same section. Hard rock cores will often have spacers added to prevent rock pieces from damaging each
	liner_length	The length in cm to which the liner of the nth core section is cut.
	core_catcher_stored_in	Sometimes the core catcher is stored in a D tube with a section. core_catcher_stored_in contains the section number of the D tube that holds the core catcher.
	section_comments	Comments on this section
System_Type	system_id	identifier for a system of equipment on the ship
	system_comments	comments associated with a piece of analytical equipment
	system_commissioned	the date that a piece of equipment started to be used to collect scientific data for Janus

	system_decommissioned	the date that a piece of analytical equipment was no longer used by ODP to analyzed samples for scientific data.
	system_model_number	The model number of an piece of equipment used for scientific analysis
	system_name	The name for a piece of equipment used for analysis in Janus