16. MAD		
Table Name	**Column Name**	**Column Comment**
MAD_Beaker	mad_beaker_id	ID associated with phys props beaker used to hold sample
MAD_Beaker_History		
	beaker_date_time	the date and time calibration data for a MAD (Moisture and Density) beaker from the physical properties laboratory was entered in the system
	beaker_type	The type of beaker, for example "pyrex 10ml" or "aluminum 12cc".
	beaker_mass	Mass of beaker used for moisture and density measurements (MAD) in the physical properties laboratory, in grams
	beaker_volume	The Volume of beaker used for moisture density measurements (MAD) in the physcial properties laboratory, in gcm^3
MAD_Calibration_History	mad_calibration_id	machine generated identifier for a moisture density calibration
	calibration_date_time	Time stamp identifying when calibration was done - supplied by instrument data files
	calibration_type	The type of calibration, for example "B" for Balance or "P" for Pycnometer.
MAD_Control_Data	mad_control_id	machine generated identifier for Moisture and Density control run
	run_date_time	the date and time of a run
	ctr_standard_id	control standard identifier, such as "sphere7.069cc"
	control_type	mass or volume
	expected_value	the known value of a control standard, in g or cm^3
	pyc_cell_no	the number of the cell on the pycnometer used for measurement. Valid values are 1-5 with the current instrument.
	measured_value	The value measured for a standard, in g or cm^3
	measured_stdev	the standard deviation for a standard value
MAD_Sample_Data	location	Code that indicates the site where the Janus application is exercised. Values are SHI(ship), GCR (Gulf Coast Repository), ECR (East Coast Repository, WCR (West Coast Repository) and BRE (Bremen repository). Used primari
	sample_id	Unique id attached to a sample - Allows multiple samples to be taken with same top and bottom interval
	mad_beaker_id	ID associated with phys props beaker used to hold sample
	beaker_date_time	the date and time calibration data for a MAD (Moisture and Density) beaker from the physical properties laboratory was entered in the system
	method	
	fixed_volume	Indicates if a fixed volume was used. "x" for fixed set (A) volume
	mass_wet_and_beaker	mass of the wet sample plus beaker, in grams
	mass_dry_and_beaker	mass of the dried sample plus the beaker, in grams
	vol_wet_and_beaker	the wet volume of the sample plus the beaker, in cm^3
	vol_wet_and_beaker_stdev	standard deviation of wet volume measurements
	vol_wet_and_beaker_n	number of measurements for wet volume
	vol_wet_and_beaker_cell	the pycnometer cell that was used for the wet volume measurement. Current values are 1 through 5.

	vol_dry_and_beaker	the volume of the dry sample plus beaker, in cm^3
	vol_dry_and_beaker_stdev	the standard deviation of the dry volume measurements
	vol_dry_and_beaker_n	the number of dry volume measurements taken, from 1-20.
	vol_dry_and_beaker_cell	the pycnometer cell used for the dry volume measurement. Current values are 1 through 5.
	comments	General comments
	sample_date_time	Time stamp provided by data files, showing when the sample run was made
Sample	sample_id	Unique id attached to a sample - Allows multiple samples to be taken with same top and bottom interval
	location	Code that indicates the site where the Janus application is exercised. Values are SHI(ship), GCR (Gulf Coast Repository), ECR (East Coast Repository, WCR (West Coast Repository) and BRE (Bremen repository). Used primari
	s_c_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
	s_c_sampling_code	Code used to identify the classify for whom the sample was taken.
	sam_archive_working	same as archive_working but allowed to be null for the sample application
	top_interval	Distance in meters from the top of the section to the top of the sample. Although 150 cm is generally the length of the sections, an additional 50 cm is allowed to account for core expansion or dividers used with hard r
	bottom_interval	Distance in meters from the top of the section to the bottom of the sample. The value is stored in the database as meters, but usually appears in the Janus application as centimeters.
	piece	Additional identifier for hard rock samples. Each individual piece of rock within a section is numbered consecutively starting at the top of the section.
	sub_piece	Additional identifier for hard rock samples. When a piece is broken, the individual fragments are given consecutive letter designations. Note that subpiece assignments must be made in conjunction with piece numbers.
	beaker_id	The number on the moisture density beaker, such as "P267" or "AI1344". This value is entered on the sample table and the beaker_id is associated to the sample.
	volume	Volume of sample
	entered_by	Indicates who entered the row into the database
	sample_depth	depth of the sample
	sample_comment	A comment about the sample
	sam_repository	Repository where sample is stored.
	sam_sample_code_lab	Code to indicate the shipboard lab that will perform the initial analysis.
	sam_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
	timestamp	CHAR(18)
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