13. NGR		
Table Name	**Column Name**	**Column Comment**
NGR_Background	energy_background_id	machine generated sequence number for natural gamma background runs
	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
	standard_id	identifier for a physical properties standard
	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, changed from (7,3) to (8,3) in Aug. 2003.
	energy_calibration_id	unique Oracle generated sequence number for a natural gamma (NGR) calibration.
	total_counts_sec	The total combined counts of the NGR spectrum per second
	actual_daq_period	The actual data acquisition period used for measurements, in seconds. Changed from (7,3) to *8,3) in August 2003
	energy_windows	If this field is greater than 0 we have data in NGR_Energy_Windows table.
	ngr_first_channel	First natural gamma ray channel number for which the spectrum value is stored in the ngr_spectra.
	ngr_last_channel	Last natural gamma ray channel number for which the spectrum value is stored in the ngr_spectra.
	ngr_channel_increment	Channel number increment
	ngr_spectra	NGR spectra for the channels defined by first, last, increment.
NGR_BG_Energy_Windows	energy_background_id	machine generated sequence number for natural gamma background runs
	roi_start_channel	the first channel of the region of interest (roi)
	roi_length_channel	the length of the channel including the first channel
	ngr_counts_sec	NGR counts measured per sec in the energy window specified by roi_start_channel and roi_length_channel
NGR_Calibration	energy_calibration_id	unique Oracle generated sequence number for a natural gamma (NGR) calibration.
	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
	channel_energy_m0	in Mev
	channel_energy_m1	Mev/channel
	channel_energy_mse	mean squared error
	comments	General comments about the smear slide
NGR_Calibration_Data	energy_calibration_id	unique Oracle generated sequence number for a natural gamma (NGR) calibration.
	channel	(from multichannel buffer)
	isotope	the source of a peak (for example Eu-159)
	energy	
NGR_Ctrl_1	ngr_ctrl_1_id	machine generated sequence number identifying NGR control-1 runs
	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
		energy_calibration_id	unique Oracle generated sequence number for a natural gamma (NGR) calibration.
		standard_id	identifier for a physical properties standard
		energy_background_id	machine generated sequence number for natural gamma background runs
NGR_Ctrl_1_Data		ngr_ctrl_1_id	machine generated sequence number identifying NGR control-1 runs
		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
		core_diameter	Diameter of core in cm
		total_counts_sec	The total combined counts of the NGR spectrum per second
		ngr_first_channel	First natural gamma ray channel number for which the spectrum value is stored in the ngr_spectra.
		ngr_last_channel	Last natural gamma ray channel number for which the spectrum value is stored in the ngr_spectra.
		ngr_channel_increment	Channel number increment
		ngr_spectra	NGR spectra for the channels defined by first, last, increment.
NGR_Ctrl_3		ngr_ctrl_3_id	machine generated sequence identifier for ngr control-3 runs
		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
		energy_calibration_id	unique Oracle generated sequence number for a natural gamma (NGR) calibration.
		standard_id	identifer for a physical properties standard
		energy_background_id	machine generated sequence number for natural gamma background runs
		actual_daq_period	The actual data acquisition period used for measurements, in seconds
		ngr_first_channel	First natural gamma ray channel number for which the spectrum value is stored in the ngr_spectra.
		ngr_last_channel	Last natural gamma ray channel number for which the spectrum value is stored in the ngr_spectra.
		ngr_channel_increment	Channel number increment
		ngr_spectra	NGR spectra for the channels defined by first, last, increment.
NGR_Energy_Windows		ngr_id	Unique system-generated identifier into natural gamma table.
		mst_top_interval	The top interval of a measurement in meters measured from the top of a section
		roi_start_channel	the first channel of the region of interest (roi)
		mst_bottom_interval	the bottom interval of a measurement in meters measured from the top of a section
		roi_length_channel	the length of the channel including the first channel
		ngr_counts_sec	NGR counts measured per sec in the energy window specified by roi_start_channel and roi_length_channel
NGR_Section		ngr_id	Unique system-generated identifier into natural gamma table.
		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
	energy_calibration_id	unique Oracle generated sequence number for a natural gamma (NGR) calibration.
	energy_background_id	machine generated sequence number for natural gamma background runs
	mst_ngr_ctrl_3_id	a null role of the attribute ngr_ctrl_3_id. This is needed because the ngr_section table is loaded into the database before the control-3 run.
NGR_Section_Data	ngr_id	Unique system-generated identifier into natural gamma table.
	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
	core_diameter	Diameter of core in cm
	total_counts_sec	The total combined counts of the NGR spectrum per second
	energy_windows	If this field is greater than 0 we have data in NGR_Energy_Windows table.
	ngr_first_channel	First natural gamma ray channel number for which the spectrum value is stored in the ngr_spectra.
	ngr_last_channel	Last natural gamma ray channel number for which the spectrum value is stored in the ngr_spectra.
	ngr_channel_increment	Channel number increment
	ngr_spectra	NGR spectra for the channels defined by first, last, increment.
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