| 13. NGR | | |
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| **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 |
| | 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 |
| | 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. |

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| | 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 | identifier 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 | |
| | 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. |

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|---|---|---|
| | 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 | |
| | 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 recovered. |
| | 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 other. |
| | 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 |
| | leg | |
| | site | |
| | 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 are initialized. |
| | 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. |