17. PWS		
Table Name	**Column Name**	**Column Comment**
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
Physical_Properties_Std_Data	standard_id	identifier for a physical properties standard
	property_name	A property associated with a physical properties standard, for example "material" or "density".
	property_description	A description of a property associated with a physical properties sample.
	property_value	The value of a property associated with a physical properties standard
	property_units	The units associated with a property for a physical properties sample
PWS1_Calibration	pws_calibration_id	sequence identifier for pws_calibration runs
	calibration_date_time	Time stamp identifying when calibration was done - supplied by instrument data files
	run_num	run number associated with a data analysis run.
	system_id	identifier for a system of equipment on the ship
	water_temperature	the temperature of water being measured as a standard, in degrees C.
	standard_velocity	the expected velocity of a standard
	measured_time	the time measured for a wave to travel between the transducers, in microseconds
	delay	the delay used while taking a mesurement, in microseconds
	freq	frequency associated with taking a measurement, in kHz
	comments	General comments
PWS1_Ctrl_1	pws_ctrl_1_id	sequence identifier for pws control_1 runs
	run_num	run number associated with a data analysis run.
	run_date_time	the date and time of a run
	system_id	identifier for a system of equipment on the ship
	standard_id	identifier for a physical properties standard
	pws_calibration_id	sequence identifier for pws_calibration runs
	direction	direction of measurement relative to a section of core, x, y, or z. X is into the working half.
	core_temperature	temperature of the core in degrees celsius
	raw_data_collected	yes or no if raw data was collected in association with measurement results for an instrument.
	transducer_separation	the distance between a pair of transducers, in mm.
	measured_time	the time measured for a wave to travel between the transducers, in microseconds
PWS1_Ctrl_1_Raw_Data	pws_ctrl_1_id	sequence identifier for pws control_1 runs
	time	the time associated with a velocity measurement, in microseconds

	voltage	measured voltage, in milliVolts
PWS1_Raw_Data	pws_id	machine generated sequence identifier for PWS measurements
	pp_top_interval	the distance from the top of the section to the top of the measurement, in m.
	measurement_no	The number of the measurement taken, used to differentiate multiple measurements taken at the same interval
	time	the time associated with a velocity measurement, in microseconds
	voltage	measured voltage, in milliVolts
PWS1_Section	pws_id	machine generated sequence identifier for PWS measurements
	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_num	run number associated with a data analysis run.
	run_date_time	the date and time of a run
	system_id	identifier for a system of equipment on the ship
	pws_calibration_id	sequence identifier for pws_calibration runs
	direction	direction of measurement relative to a section of core, x, y, or z. X is into the working half.
	core_temperature	temperature of the core in degrees celsius
	raw_data_collected	yes or no if raw data was collected in association with measurement results for an instrument.
PWS1_Section_Data	pws_id	machine generated sequence identifier for PWS measurements
	pp_top_interval	the distance from the top of the section to the top of the measurement, in m.
	measurement_no	The number of the measurement taken, used to differentiate multiple measurements taken at the same interval
	pp_bottom_interval	the distance from the top of a section to the bottom of a measurement, in m.
	transducer_separation	the distance between a pair of transducers, in mm.
	measured_time	the time measured for a wave to travel between the transducers, in microseconds
PWS2_Calibration	pws_calibration_id	sequence identifier for pws_calibration runs
	calibration_date_time	Time stamp identifying when calibration was done - supplied by instrument data files
	run_num	run number associated with a data analysis run.
	system_id	identifier for a system of equipment on the ship
	water_temperature	the temperature of water being measured as a standard, in degrees C.
	standard_velocity	the expected velocity of a standard
	measured_time	the time measured for a wave to travel between the transducers, in microseconds
	delay	the delay used while taking a mesurement, in microseconds
	freq	frequency associated with taking a measurement, in kHz
	comments	General comments
PWS2_Ctrl_1	pws_ctrl_1_id	sequence identifier for pws control_1 runs
	run_num	run number associated with a data analysis run.
	run_date_time	the date and time of a run
	system_id	identifier for a system of equipment on the ship
	standard_id	identifier for a physical properties standard
	pws_calibration_id	sequence identifier for pws_calibration runs

	direction	direction of measurement relative to a section of core, x, y, or z. X is into the working half.
	core_temperature	temperature of the core in degrees celsius
	raw_data_collected	yes or no if raw data was collected in association with measurement results for an instrument.
	transducer_separation	the distance between a pair of transducers, in mm.
	measured_time	the time measured for a wave to travel between the transducers, in microseconds
PWS2_Ctrl_1_Raw_Data	pws_ctrl_1_id	sequence identifier for pws control_1 runs
	time	the time associated with a velocity measurement, in microseconds
	voltage	measured voltage, in milliVolts
PWS2_Raw_Data	pws_id	machine generated sequence identifier for PWS measurements
	pp_top_interval	the distance from the top of the section to the top of the measurement, in m.
	measurement_no	The number of the measurement taken, used to differentiate multiple measurements taken at the same interval
	time	the time associated with a velocity measurement, in microseconds
	voltage	measured voltage, in milliVolts
PWS2_Section	pws_id	machine generated sequence identifier for PWS measurements
	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_num	run number associated with a data analysis run.
	run_date_time	the date and time of a run
	system_id	identifier for a system of equipment on the ship
	pws_calibration_id	sequence identifier for pws_calibration runs
	direction	direction of measurement relative to a section of core, x, y, or z. X is into the working half.
	core_temperature	temperature of the core in degrees celsius
	raw_data_collected	yes or no if raw data was collected in association with measurement results for an instrument.
PWS2_Section_Data	pws_id	machine generated sequence identifier for PWS measurements
	pp_top_interval	the distance from the top of the section to the top of the measurement, in m.
	measurement_no	The number of the measurement taken, used to differentiate multiple measurements taken at the same interval
	pp_bottom_interval	the distance from the top of a section to the bottom of a measurement, in m.
	transducer_separation	the distance between a pair of transducers, in mm.
	measured_time	the time measured for a wave to travel between the transducers, in microseconds
PWS3_Calib_Delay_Data	pws_calibration_id	sequence identifier for pws_calibration runs
	standard_id	identifier for a physical properties standard
	calib_delay_id	
	meas_length	
	meas_time	
	meas_signal	
	contact_pressure	
	daq_stack	

PWS3_Calib_Dist_Data	pws_calibration_id	sequence identifier for pws_calibration runs
	standard_id	identifier for a physical properties standard
	calib_dist_id	
	meas_length	
	meas_voltage	
	daq_stack	
PWS3_Calibration	pws_calibration_id	sequence identifier for pws_calibration runs
	calibration_date_time	Time stamp identifying when calibration was done - supplied by instrument data files
	run_num	run number associated with a data analysis run.
	system_id	identifier for a system of equipment on the ship
	delay_1_over_m1	velocity of standard in m/s
	delay_m0	
	delay_mse	mean squared error
	freq	frequency associated with taking a measurement, in kHz
	comments	General comments
	separation_m0	Added Oct. 2000 in an efforts to make PWS data model similar to PWL
	separation_m1	
	separation_mse	
	req_daqs_per_sample	Added Dec. 2000 - to make it compatible with PWL system.
	acoustic_signal_threshold	
	pulse_time_correction	
PWS3_Calibration_Data	pws_calibration_id	sequence identifier for pws_calibration runs
	standard_id	identifier for a physical properties standard
	meas_separation_mean	the distance between a pair of transducers, in mm. Changed from transducer_separation to meas_separation_mean, dec. 2000.
	meas_time_mean	the time measured for a wave to travel between the transducers, in microseconds. Changed from measured_time to meas_time_mean, Dec. 2000.
	contact_pressure	the contact pressure used during a measurement, in Kpa
	standard_length	Added Dec. 2000 - to make it compatible with PWL system.
	meas_separation_sd	
	meas_time_sd	
	acoustic_signal_mean	
	valid_daqs	
PWS3_Ctrl_1	pws_ctrl_1_id	sequence identifier for pws control_1 runs
	system_id	identifier for a system of equipment on the ship
	run_num	run number associated with a data analysis run.
	run_date_time	the date and time of a run
	standard_id	identifier for a physical properties standard
	pws_calibration_id	sequence identifier for pws_calibration runs
	direction	direction of measurement relative to a section of core, x, y, or z. X is into the working half.
	core_temperature	temperature of the core in degrees celsius

	standard_liner_id	the identifier for the liner standard used for velocity measurements.
	raw_data_collected	yes or no if raw data was collected in association with measurement results for an instrument.
	core_status	Added Dec. 2000 - to make it compatible with PWL system.
	liner_status	
	liner_correction	
	req_daqs_per_sample	
	acoustic_signal_threshold	
PWS3_Ctrl_1_Data	pws_ctrl_1_id	sequence identifier for pws control_1 runs
	pws3_ctrl1_top_interval	Added Dec. 2000 - to make it compatible with PWL system.
	pws3_ctrl1_bottom_interval	
	meas_separation_mean	
	meas_time_mean	
	contact_pressure	Added Dec. 2000 to be consistent with PWL system
	liner_thickness	Added Dec. 2000 - to make it compatible with PWL system.
	meas_time_sd	
	acoustic_signal_mean	
	valid_daqs	
PWS3_Ctrl_1_Raw_Data	pws_ctrl_1_id	sequence identifier for pws control_1 runs
	time	the time associated with a velocity measurement, in microseconds
	voltage	measured voltage, in milliVolts
PWS3_Raw_Data	pws_id	machine generated sequence identifier for PWS measurements
	pp_top_interval	the distance from the top of the section to the top of the measurement, in m.
	measurement_no	The number of the measurement taken, used to differentiate multiple measurements taken at the same interval
	time	the time associated with a velocity measurement, in microseconds
	voltage	measured voltage, in milliVolts
PWS3_Section	pws_id	machine generated sequence identifier for PWS measurements
	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
	system_id	identifier for a system of equipment on the ship
	run_num	run number associated with a data analysis run.
	run_date_time	the date and time of a run
	pws_calibration_id	sequence identifier for pws_calibration runs
	direction	direction of measurement relative to a section of core, x, y, or z. X is into the working half.
	core_temperature	temperature of the core in degrees celsius
	liner_correction	Y or N if liner correction used
	raw_data_collected	yes or no if raw data was collected in association with measurement results for an instrument.
	standard_liner_id	the identifier for the liner standard used for velocity measurements.
	core_status	Added Dec. 2000

	liner_status	
	req_daqs_per_sample	
	acoustic_signal_threshold	
PWS3_Section_Data	pws_id	machine generated sequence identifier for PWS measurements
	pp_top_interval	the distance from the top of the section to the top of the measurement, in m.
	measurement_no	The number of the measurement taken, used to differentiate multiple measurements taken at the same interval
	pp_bottom_interval	the distance from the top of a section to the bottom of a measurement, in m.
	meas_separation_mean	the distance between a pair of transducers, in mm. Name changed from transducer_separation to meas_separation_mean, Dec. 2000.
	meas_time_mean	the time measured for a wave to travel between the transducers, in microseconds. Name changed from measured_time to meas_time_mean, Dec. 2000.
	contact_pressure	the contact pressure used during a measurement, in Kpa
	liner_thickness	thickness of the liner in mm. If liner correction = No then this value is set to zero.
	pws3_velocity	Added Oct. 2000 to be able to enter velocity results in case calibration info is not available.
	meas_time_sd	Added Dec. 2000
	acoustic_signal_mean	Added Dec. 2000.
	valid_daqs	
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