

Added
Name update
Removed
No change

Old MTL	New MTL	TM	
GROUP = L1_METADATA_FILE	GROUP = L1_METADATA_FILE	No change	
GROUP = METADATA_FILE_INFO	GROUP = METADATA FILE_INFO	No change	
ORIGIN	ORIGIN	No change	
REQUEST_ID	REQUEST_ID	No change	
	LANDSAT_SCENE_ID	Added	
PRODUCT_CREATION_TIME	FILE_DATE	Name update	
STATION_ID	STATION_ID	No change	
	PROCESSING_SOFTWARE_VERSION	Name update	was PROCESSING_SOFTWARE
	DATA_CATEGORY	Added	
LANDSAT4_XBAND		Removed	
LANDSAT5_XBAND		Removed	
GROUND_STATION		Removed	
LPS_PROCESSOR_NUMBER		Removed	
DATEHOURL_CONTACT_PERIOD		Removed	
SUBINTERVAL_NUMBER		Removed	
END_GROUP = METADATA_FILE_INFO	END_GROUP = METADATA_FILE_INFO	No change	
GROUP = PRODUCT_METADATA	GROUP = PRODUCT_METADATA	No change	
PRODUCT_TYPE	DATA_TYPE	Name update	
	DATA_TYPE_LORP	Added	
ELEVATION_SOURCE	ELEVATION_SOURCE	No change	
PROCESSING_SOFTWARE		Name update	to PROCESSING_SOFTWARE_VERSION
	OUTPUT_FORMAT	No change	
EPHEMERIS_TYPE	EPHEMERIS_TYPE	No change	
SPACECRAFT_ID	SPACECRAFT_ID	No change	
SENSOR_ID	SENSOR_ID	No change	
SENSOR_MODE	SENSOR_MODE	No change	
	WRS_PATH	No change	
	WRS_ROW	Name update	was STARTING_ROW
ACQUISITION_DATE	DATE_ACQUIRED	Name update	
SCENE_CENTER_SCAN_TIME	SCENE_CENTER_TIME	Name update	
WRS_PATH		No change	
STARTING_ROW		Name update	to WRS_ROW
ENDING_ROW		Removed	
BAND_COMBINATION		Removed	
PRODUCT_UL_CORNER_LAT	CORNER_UL_LAT_PRODUCT	Name update	
PRODUCT_UL_CORNER_LON	CORNER_UL_LON_PRODUCT	Name update	
PRODUCT_UR_CORNER_LAT	CORNER_UR_LAT_PRODUCT	Name update	
PRODUCT_UR_CORNER_LON	CORNER_UR_LON_PRODUCT	Name update	

PRODUCT_LL_CORNER_LAT	CORNER_LL_LAT_PRODUCT	Name update	
PRODUCT_LL_CORNER_LON	CORNER_LL_LON_PRODUCT	Name update	
PRODUCT_LR_CORNER_LAT	CORNER_LR_LAT_PRODUCT	Name update	
PRODUCT_LR_CORNER_LON	CORNER_LR_LON_PRODUCT	Name update	
PRODUCT_UL_CORNER_MAPX	CORNER_UL_PROJECTION_X_PRODUCT	Name update	
PRODUCT_UL_CORNER_MAPY	CORNER_UL_PROJECTION_Y_PRODUCT	Name update	
PRODUCT_UR_CORNER_MAPX	CORNER_UR_PROJECTION_X_PRODUCT	Name update	
PRODUCT_UR_CORNER_MAPY	CORNER_UR_PROJECTION_Y_PRODUCT	Name update	
PRODUCT_LL_CORNER_MAPX	CORNER_LL_PROJECTION_X_PRODUCT	Name update	
PRODUCT_LL_CORNER_MAPY	CORNER_LL_PROJECTION_Y_PRODUCT	Name update	
PRODUCT_LR_CORNER_MAPX	CORNER_LR_PROJECTION_X_PRODUCT	Name update	
PRODUCT_LR_CORNER_MAPY	CORNER_LR_PROJECTION_Y_PRODUCT	Name update	
PRODUCT_LINES_REF	REFLECTIVE_LINES	Name update	
PRODUCT_SAMPLES_REF	REFLECTIVE_SAMPLES	Name update	
PRODUCT_LINES_THM	THERMAL_LINES	Name update	
PRODUCT_SAMPLES_THM	THERMAL_SAMPLES	Name update	
BAND1_FILE_NAME	FILE_NAME_BAND_1	Name update	
BAND2_FILE_NAME	FILE_NAME_BAND_2	Name update	
BAND3_FILE_NAME	FILE_NAME_BAND_3	Name update	
BAND4_FILE_NAME	FILE_NAME_BAND_4	Name update	
BAND5_FILE_NAME	FILE_NAME_BAND_5	Name update	
BAND6_FILE_NAME	FILE_NAME_BAND_6	Name update	
BAND7_FILE_NAME	FILE_NAME_BAND_7	Name update	
GCP_FILE_NAME	GROUND_CONTROL_POINT_FILE_NAME	Name update	
VER_REPORT_FILE_NAME	REPORT_VERIFY_FILE_NAME	Name update	
VER_BROWSE_FILE_NAME	BROWSE_VERIFY_FILE_NAME	Name update	
METADATA_L1_FILE_NAME	METADATA_FILE_NAME	Name update	
CPF_FILE_NAME	CPF_NAME	Name update	
<b>END_GROUP = PRODUCT_METADATA</b>	<b>END_GROUP = PRODUCT_METADATA</b>	No change	
	<b>GROUP = IMAGE_ATTRIBUTES</b>	Added	
	CLOUD_COVER	Added	
	IMAGE_QUALITY	Added	
	SUN_AZIMUTH	No change	
	SUN_ELEVATION	No change	
	GROUND_CONTROL_POINTS_MODEL	Added	
	GEOMETRIC_RMSE_MODEL	Added	
	GEOMETRIC_RMSE_MODEL_Y	Name update	was SCENE_RMSE
	GEOMETRIC_RMSE_MODEL_X	Name update	was SCENE_RMSE
	GROUND_CONTROL_POINTS_VERIFY	Added	
	GEOMETRIC_RMSE_VERIFY	Added	
	<b>END_GROUP = IMAGE_ATTRIBUTES</b>	Added	
<b>GROUP = MIN_MAX_RADIANCE</b>	<b>GROUP = MIN_MAX_RADIANCE</b>	No change	
LMAX_BAND1	RADIANCE_MAXIMUM_BAND_1	Name update	

LMIN_BAND1	RADIANCE_MINIMUM_BAND_1	Name update
LMAX_BAND2	RADIANCE_MAXIMUM_BAND_2	Name update
LMIN_BAND2	RADIANCE_MINIMUM_BAND_2	Name update
LMAX_BAND3	RADIANCE_MAXIMUM_BAND_3	Name update
LMIN_BAND3	RADIANCE_MINIMUM_BAND_3	Name update
LMAX_BAND4	RADIANCE_MAXIMUM_BAND_4	Name update
LMIN_BAND4	RADIANCE_MINIMUM_BAND_4	Name update
LMAX_BAND5	RADIANCE_MAXIMUM_BAND_5	Name update
LMIN_BAND5	RADIANCE_MINIMUM_BAND_5	Name update
LMAX_BAND6	RADIANCE_MAXIMUM_BAND_6	Name update
LMIN_BAND6	RADIANCE_MINIMUM_BAND_6	Name update
LMAX_BAND7	RADIANCE_MAXIMUM_BAND_7	Name update
LMIN_BAND7	RADIANCE_MINIMUM_BAND_7	Name update
<b>END_GROUP = MIN_MAX_RADIANCE</b>	<b>END_GROUP = MIN_MAX_RADIANCE</b>	No change
<b>GROUP = MIN_MAX_PIXEL_VALUE</b>	<b>GROUP = MIN_MAX_PIXEL_VALUE</b>	No change
QCALMAX_BAND1	QUANTIZE_CAL_MAX_BAND_1	Name update
QCALMIN_BAND1	QUANTIZE_CAL_MIN_BAND_1	Name update
QCALMAX_BAND2	QUANTIZE_CAL_MAX_BAND_2	Name update
QCALMIN_BAND2	QUANTIZE_CAL_MIN_BAND_2	Name update
QCALMAX_BAND3	QUANTIZE_CAL_MAX_BAND_3	Name update
QCALMIN_BAND3	QUANTIZE_CAL_MIN_BAND_3	Name update
QCALMAX_BAND4	QUANTIZE_CAL_MAX_BAND_4	Name update
QCALMIN_BAND4	QUANTIZE_CAL_MIN_BAND_4	Name update
QCALMAX_BAND5	QUANTIZE_CAL_MAX_BAND_5	Name update
QCALMIN_BAND5	QUANTIZE_CAL_MIN_BAND_5	Name update
QCALMAX_BAND6	QUANTIZE_CAL_MAX_BAND_6	Name update
QCALMIN_BAND6	QUANTIZE_CAL_MIN_BAND_6	Name update
QCALMAX_BAND7	QUANTIZE_CAL_MAX_BAND_7	Name update
QCALMIN_BAND7	QUANTIZE_CAL_MIN_BAND_7	Name update
<b>END_GROUP = MIN_MAX_PIXEL_VALU</b>	<b>END_GROUP = MIN_MAX_PIXEL_VALUE</b>	No change
<b>GROUP = PRODUCT_PARAMETERS</b>	<b>GROUP = PRODUCT_PARAMETERS</b>	No change
CORRECTION_METHOD_GAIN_BAND1	CORRECTION_GAIN_BAND_1	Name update
CORRECTION_METHOD_GAIN_BAND2	CORRECTION_GAIN_BAND_2	Name update
CORRECTION_METHOD_GAIN_BAND3	CORRECTION_GAIN_BAND_3	Name update
CORRECTION_METHOD_GAIN_BAND4	CORRECTION_GAIN_BAND_4	Name update
CORRECTION_METHOD_GAIN_BAND5	CORRECTION_GAIN_BAND_5	Name update
CORRECTION_METHOD_GAIN_BAND6	CORRECTION_GAIN_BAND_6	Name update
CORRECTION_METHOD_GAIN_BAND7	CORRECTION_GAIN_BAND_7	Name update
CORRECTION_METHOD_BIAS	CORRECTION_BIAS_BAND_1	Name update
	CORRECTION_BIAS_BAND_2	Added
	CORRECTION_BIAS_BAND_3	Added
	CORRECTION_BIAS_BAND_4	Added
	CORRECTION_BIAS_BAND_5	Added

	CORRECTION_BIAS_BAND_6	Added	
	CORRECTION_BIAS_BAND_7	Added	
SUN_AZIMUTH		No change	
SUN_ELEVATION		No change	
OUTPUT_FORMAT		No change	
<b>END_GROUP = PRODUCT_PARAMETER</b>	<b>END_GROUP = PRODUCT_PARAMETERS</b>	No change	
	<b>GROUP = RADIOMETRIC_RESCALING</b>	Added	
	RADIANCE_MULT_BAND_1	Added	
	RADIANCE_MULT_BAND_2	Added	
	RADIANCE_MULT_BAND_3	Added	
	RADIANCE_MULT_BAND_4	Added	
	RADIANCE_MULT_BAND_5	Added	
	RADIANCE_MULT_BAND_6	Added	
	RADIANCE_MULT_BAND_7	Added	
	RADIANCE_ADD_BAND_1	Added	
	RADIANCE_ADD_BAND_2	Added	
	RADIANCE_ADD_BAND_3	Added	
	RADIANCE_ADD_BAND_4	Added	
	RADIANCE_ADD_BAND_5	Added	
	RADIANCE_ADD_BAND_6	Added	
	RADIANCE_ADD_BAND_7	Added	
	<b>END_GROUP = RADIOMETRIC_RESCALING</b>	Added	
<b>GROUP = CORRECTIONS_APPLIED</b>		Removed	
STRIPING_BAND1		Removed	
STRIPING_BAND2		Removed	
STRIPING_BAND3		Removed	
STRIPING_BAND4		Removed	
STRIPING_BAND5		Removed	
STRIPING_BAND6		Removed	
STRIPING_BAND7		Removed	
BANDING		Removed	
COHERENT_NOISE		Removed	
MEMORY_EFFECT		Removed	
SCAN_CORRELATED_SHIFT		Removed	
INOPERABLE_DETECTORS		Removed	
DROPPED_LINES		Removed	
<b>END_GROUP = CORRECTIONS_APPLIED</b>		Removed	
<b>GROUP = PROJECTION_PARAMETERS</b>	<b>GROUP = PROJECTION_PARAMETERS</b>	No change	
	MAP_PROJECTION	No change	
REFERENCE_DATUM	DATUM	Name update	
REFERENCE_ELLIPSOID	ELLIPSOID	Name update	
	UTM_ZONE	Name update	was ZONE_NUMBER
	VERTICAL_LON_FROM_POLE	Name update	was VERTICAL_LONGITUDE_FROM_POLE

	TRUE_SCALE_LAT	Name update	was LATITUDE_OF_TRUE_SCALE
	FALSE_EASTING	No change	
	FALSE_NORTHING	No change	
GRID_CELL_SIZE_REF	GRID_CELL_SIZE_REFLECTIVE	Name update	
GRID_CELL_SIZE_THM	GRID_CELL_SIZE_THERMAL	Name update	
ORIENTATION	ORIENTATION	No change	
RESAMPLING_OPTION	RESAMPLING_OPTION	No change	
	MAP_PROJECTION_LORA	Added	
MAP_PROJECTION		No change	
<b>END_GROUP = PROJECTION_PARAMETERS</b>	<b>END_GROUP = PROJECTION_PARAMETERS</b>	No change	
<b>GROUP = UTM_PARAMETERS</b>		Removed	
ZONE_NUMBER		Name update	to UTM_ZONE
<b>END_GROUP = UTM_PARAMETERS</b>		Removed	
<b>GROUP = PS_PARAMETERS</b>		Removed	
VERTICAL_LONGITUDE_FROM_POLE		Name update	to VERTICAL_LON_FROM_POLE
LATITUDE_OF_TRUE_SCALE		Name update	to TRUE_SCALE_LAT
FALSE_EASTING		No change	
FALSE_NORTHING		No change	
FALSE_EASTING_NORTHING_UNITS		Removed	
<b>END_GROUP = PS_PARAMETERS</b>		Removed	
<b>GROUP = GEOMETRIC_VERIFY</b>		Removed	
UL_QUAD_RMSE		Removed	
UR_QUAD_RMSE		Removed	
LR_QUAD_RMSE		Removed	
LL_QUAD_RMSE		Removed	
SCENE_RMSE		Name update	to GEOMETRIC_RMSE_MODEL_X and GEOMETRIC_RMSE_MODEL_Y
<b>END_GROUP = GEOMETRIC_VERIFY</b>		Removed	
<b>END_GROUP = L1_METADATA_FILE</b>	<b>END_GROUP = L1_METADATA_FILE</b>	No change	