

RELEASE NOTES FOR VICAR OS V5.0	
Key	Summary
<a href="#">IDS-8419</a>	AR-CORE-JEDI: Stack overflow vulnerability, p2
<a href="#">IDS-8495</a>	AR-CORE-Numerous FEI Returned Science subscription failure
<a href="#">IDS-8600</a>	AR-CORE-P2-Ficor77 -ABEND called on [VIC2-GENERR] Exception in XVOPEN
<a href="#">IDS-9113</a>	AR-CORE-P2-VICAR-CWE-457-2021
<a href="#">IDS-9242</a>	AR-CORE-P2-progs that failed with RHE 8.5 upgrade
<a href="#">IDS-8374</a>	AR-CORE-PLACES: Insecure client communication
<a href="#">IDS-9594</a>	AR-CORE-SLAM-slam_python_environment
<a href="#">IDS-8521</a>	AR-CORE-Transcoder fix potential overflow
<a href="#">IDS-9112</a>	AR-CORE-label uses non-constant format string
<a href="#">IDS-9247</a>	AR-CORE-map3 that failed with RHE 8.5 upgrade
<a href="#">IDS-9221</a>	AR-CORE: FEI5 client/lib updates related to Security Scan 20210615
<a href="#">IDS-8624</a>	AR-Core PDS4 xml label has incorrect floating point type
<a href="#">IDS-9863</a>	AR-FEI5 Client Notify throwing ERROR RollingFileAppender 'null': No name provided.
<a href="#">IDS-8851</a>	AR-MARS-marsrough- fix goodness values for RUC product
<a href="#">IDS-8693</a>	AR-MARS: Marstile-Trim black borders around tiles in reconstruction
<a href="#">IDS-853</a>	AR-MSL PLACES unable to ingest MobSummaryReport.xml produced by PLumbs
<a href="#">IDS-824</a>	AR-MSL-Support gap attributes in the DPO list where status = PARTIAL
<a href="#">IDS-7383</a>	AR-Mars_marscoordtrans coord inconsistent with icm mapping
<a href="#">IDS-9870</a>	AR-addFileSystemUser stored procedure doesn't actually set the email column when adding a record
<a href="#">IDS-7115</a>	AR_MARS Marsmcauley computes incorrect mosaic bounds
<a href="#">IDS-9580</a>	IDS-M20: Tactical Terrain RDR Dev - adding orbital support to marsmesh
<a href="#">IDS-9827</a>	NC-CORE Detrend image using a polynomial surface fit
<a href="#">IDS-9575</a>	NC-CORE-SLAM-D52.0.1 Release Delivery
<a href="#">IDS-8899</a>	NC-CORE: MIST 50.0.3 Release
<a href="#">IDS-9190</a>	NC-CORE_MARS_mesh_generation_subsampled_averaged_inputs
<a href="#">IDS-9831</a>	NC-Core Surface fit to a raster

<a href="#">IDS-8682</a>	NC_CORE_MARS_marsmesh_lbls
<a href="#">IDS-8673</a>	NC_CORE_MARS_marsmesh_max_size_lod
<a href="#">IDS-9839</a>	NC_CORE_MARS_mesh_optimization
<a href="#">IDS-8836</a>	NC_M20_Tactical_Mesh_Products_Organizations
<a href="#">IDS-8778</a>	NC_MARS_orbital_mesh_gen
<a href="#">IDS-9822</a>	NF-CORE Adding routine for images IO and surface fit
<a href="#">IDS-8944</a>	NF-CORE Adding the unit test files for 'obj2plane'
<a href="#">IDS-9289</a>	NF-CORE Transcoder_Velocity_template_updates_52.0.1
<a href="#">IDS-9595</a>	NF-CORE Transcoder_Velocity_template_updates_52.0.2
<a href="#">IDS-9829</a>	NF-CORE Transcoder_Velocity_template_updates_52.0.3
<a href="#">IDS-8685</a>	NF-CORE add IMAGE_HEADER OBJECT to PDS4 label for ODL or PDS3 images
<a href="#">IDS-9548</a>	NF-CORE marscsv optionally emit spaces
<a href="#">IDS-8848</a>	NF-CORE-External Add tinygltf V2.5.0 to Imake definitions
<a href="#">IDS-8697</a>	NF-CORE-MARS-mesh-naming-and-lods
<a href="#">IDS-9215</a>	NF-CORE-MGSS fix warnings for new compiler on RHEL8
<a href="#">IDS-8914</a>	NF-CORE-More programs from AFIDS
<a href="#">IDS-8893</a>	NF-CORE-Move p2 progs from jpl to open repos
<a href="#">IDS-8888</a>	NF-CORE-New program tcl2tcl
<a href="#">IDS-8894</a>	NF-CORE-New programs from AFIDS
<a href="#">IDS-9132</a>	NF-CORE-P2 Enhance ficor77 to read new labels from RAV PDART
<a href="#">IDS-8571</a>	NF-CORE-P2 Improve VICAR unit tests automation
<a href="#">IDS-9555</a>	NF-CORE-SLAM-keyframe_selection
<a href="#">IDS-9576</a>	NF-CORE-SLAM-posegraph
<a href="#">IDS-9558</a>	NF-CORE-SLAM-slam python scripts
<a href="#">IDS-9943</a>	NF-CORE-SYNOPSIS: SYNOPSIS D52 Release Delivery
<a href="#">IDS-8909</a>	NF-CORE-TAE Disable 24-line terminal freeze on TAE startup
<a href="#">IDS-8755</a>	NF-CORE-Vicar_dev Use EMBREE shared lib
<a href="#">IDS-8802</a>	NF-CORE-difpic misses difference
<a href="#">IDS-8785</a>	NF-CORE-marscsv: add SINGLE_LINE param to change formatting
<a href="#">IDS-8818</a>	NF-CORE-p2-obj2plane: compute a best-fit plane to the vertices of a triangular mesh
<a href="#">IDS-8633</a>	NF-CORE: marsinverter bug fix

<a href="#">IDS-7665</a>	NF-CORE: Additions to allow PDS4ImageWriter to work with corresponding changes to the generate tool jar.
<a href="#">IDS-9110</a>	NF-CORE: Marsviewer 3.6.6
<a href="#">IDS-9804</a>	NF-CORE_Add width to crosshair
<a href="#">IDS-9937</a>	NF-CORE_Update cmod routines to current version
<a href="#">IDS-8844</a>	NF-CORE_color support for bestfocus
<a href="#">IDS-8811</a>	NF-CORE_medfill program
<a href="#">IDS-9286</a>	NF-Core Add BA max number of iterations as a parameter
<a href="#">IDS-8920</a>	NF-IDS-CORE compile p1/p2 sublib code -fPIC
<a href="#">IDS-8922</a>	NF-IDS-M20 Terrain Mesh: Tactical Mesh height map scale and extent optimization
<a href="#">IDS-8964</a>	NF-IDS-M20-marsmesh coverage, resolution, file size optimization
<a href="#">IDS-8684</a>	NF-IDS-M20: Marsviewer 3.5.5
<a href="#">IDS-8744</a>	NF-IDS-M20: Marsviewer 3.5.6
<a href="#">IDS-8834</a>	NF-IDS-M20: RDRGen: Update marsecorr MIN_RANGE parameter for FCAM from 20cm to 25cm
<a href="#">IDS-8828</a>	NF-IDS-M20: convert .obj meshes to .glb
<a href="#">IDS-9425</a>	NF-IDS-M20: generate updated localized geotiffs when new products arrive
<a href="#">IDS-8730</a>	NF-IDS-M20: implement marsxyzsurf
<a href="#">IDS-8255</a>	NF-M20-PLACES: Recent call should optionally reflect new rover frames
<a href="#">IDS-8725</a>	NF-MARS PigSurfaceModel support of OBJ mesh
<a href="#">IDS-8689</a>	NF-MARS-SDPM Improve Mars suite unit tests automation
<a href="#">IDS-9556</a>	NF-MARS-SLAM-marsnav2
<a href="#">IDS-8819</a>	NF-MARS-mslrough: optional sphere test to reduce incorrect data included by cylinder test
<a href="#">IDS-8632</a>	NF-MARS: Add ICM_OUT and IDX_OUT parameters to other programs
<a href="#">IDS-8630</a>	NF-MARS_2D cmod interp fixes
<a href="#">IDS-9828</a>	NF-MARS_Add support for bounding boxes to mosaic programs
<a href="#">IDS-9417</a>	NF-MARS_Add zzero option to marsrange
<a href="#">IDS-8643</a>	NF-MARS_Rad compensation for RMI and ZCAM
<a href="#">IDS-8652</a>	NF-MARS_Rad temperature correction for ZCAM
<a href="#">IDS-8817</a>	NF-MARS_ZCAM bias correction
<a href="#">IDS-8339</a>	NF-MARS_add mintie to marsnav
<a href="#">IDS-8751</a>	NF-MARS_add windowing support to marsdispwarp
<a href="#">IDS-8769</a>	NF-MARS_bias in m20 ecam rad cal
<a href="#">IDS-8771</a>	NF-MARS_exposure overhead

<a href="#">IDS-8641</a>	NF-MARS_fix marsinverter for RMI
<a href="#">IDS-8816</a>	NF-MARS_identifying rover mask elements
<a href="#">IDS-8645</a>	NF-MARS_includes for radiometry fixes
<a href="#">IDS-8731</a>	NF-MARS_pixl_trap_correct program
<a href="#">IDS-9833</a>	NF-MARS_remove certain request groups from marstile
<a href="#">IDS-9878</a>	NF-MARS_remove mer_idd dependency from PIG
<a href="#">IDS-9840</a>	NF-MARS_remove more request groups from marstile
<a href="#">IDS-8640</a>	NF-MARS_separate cal poses
<a href="#">IDS-8754</a>	NF-MARS_skycam rad correction
<a href="#">IDS-8734</a>	NF-MARS_supercam crust ingest
<a href="#">IDS-9303</a>	NF-MARS_support raw RTE images
<a href="#">IDS-8699</a>	NF-MARS_variable flat fields part 1
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<a href="#">IDS-8803</a>	NF-MARS_zcam bias support part 1
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<a href="#">IDS-8456</a>	NF-MSL-VICAR-PATCH
<a href="#">IDS-8421</a>	NF-MSL: Thinking While Driving PLACES ingestion
<a href="#">IDS-8729</a>	NF-mars label definition update for support to IDS-8725
<a href="#">IDS-9819</a>	NF-mars-Add pyramid level to DisparityExtra label
<a href="#">IDS-8334</a>	NF_CORE_MARS_marsmesh_rb_adaptive_mode
<a href="#">IDS-9211</a>	NF_Mars_Transcoder_generalize_MSAM_XSL
<a href="#">IDS-8233</a>	NF_Mars_Vicarlo_msam_xsl_pds-src-update
<a href="#">IDS-9284</a>	DAR-CARGO Compile bug on RH8.5
<a href="#">IDS-9884</a>	DAR-CORE Add Open Source amoeba to Vicar-tools-open
<a href="#">IDS-9916</a>	DAR-CORE Fix mismatched delete in simple image
<a href="#">IDS-9295</a>	DAR-CORE Mac Build Cleanup
<a href="#">IDS-9296</a>	DAR-CORE Mac build breaks
<a href="#">IDS-9882</a>	DAR-CORE Move modules from Vicar-tools-jpl to Vicar-tools-open
<a href="#">IDS-9902</a>	DAR-CORE Move rts_time_util.c to its own directory in Vicar-tools-open
<a href="#">IDS-9297</a>	DAR-CORE Operator Precedence warning
<a href="#">IDS-9835</a>	DAR-CORE Program name change
<a href="#">IDS-8698</a>	DAR-CORE Remove Sybase hooks in suffix2core
<a href="#">IDS-9188</a>	DAR-CORE Stricter RH8 Compiler Mars Code Updates
<a href="#">IDS-9302</a>	DAR-CORE Update gnuplot in vicset1.source for RH8
<a href="#">IDS-8737</a>	DAR-CORE Update java_build script for jni headers

<a href="#">IDS-9179</a>	DAR-CORE Update marscor2 and marscorr to resolve RH8.5 32-bit error
<a href="#">IDS-9135</a>	DAR-CORE Update marscor3 for RH8
<a href="#">IDS-8758</a>	DAR-CORE Update mi-label version to use in Vicar build system
<a href="#">IDS-9913</a>	DAR-CORE Update to imake.c for Mac Build
<a href="#">IDS-9180</a>	DAR-CORE Updates to p2 & p3 routines for RH8
<a href="#">IDS-9816</a>	DAR-CORE fixes for RPM build
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<a href="#">IDS-9134</a>	DAR-CORE marsautotie update for RH8
<a href="#">IDS-9248</a>	DAR-CORE marsecorr IN_MESH param has no effect
<a href="#">IDS-9903</a>	DAR-CORE mpf_labels update for mars open source
<a href="#">IDS-9290</a>	DAR-CORE vicset missing cleanup of embree
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<a href="#">IDS-8639</a>	DAR-CORE-Add description for OWASP in vicset1.source
<a href="#">IDS-9836</a>	DAR-CORE-Bug in input parameter check
<a href="#">IDS-8869</a>	DAR-CORE-FEI config version compare patch
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<a href="#">IDS-8748</a>	DAR-CORE-MARS-meshing-params-and-orbital
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<a href="#">IDS-9146</a>	DAR-CORE-P2 manmatch uses obsolete alternate return spec
<a href="#">IDS-8846</a>	DAR-CORE-RTL collect_history_info segfaults on undefined user ID
<a href="#">IDS-9579</a>	DAR-CORE-SLAM-posegraph preprocess internal data (heli/rover) fixes
<a href="#">IDS-8913</a>	DAR-CORE-Transcoder_m20_xsl_VideoParms
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<a href="#">IDS-8197</a>	DAR-CORE-WRP: Component builds fail to retrieve dependencies
<a href="#">IDS-8921</a>	DAR-CORE-cartoSortUtils internal routine swap collides with gmask
<a href="#">IDS-8890</a>	DAR-CORE-imake_unix.tmpl remove TCLINC and TCLLIB references
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<a href="#">IDS-8687</a>	DAR-CORE-medval - update malloc include
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<a href="#">IDS-8686</a>	DAR-CORE-sdsems - update malloc include
<a href="#">IDS-8927</a>	DAR-CORE-stretch limited to 64k samples
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<a href="#">IDS-9834</a>	DAR-Core replaced RBF decomposition with (a bit) faster algorithm
<a href="#">IDS-8651</a>	DAR-Core-Mars-Incorrect imake
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<a href="#">IDS-7740</a>	DAR-M20-PLACES: Various fixes uncovered during EMT
<a href="#">IDS-8732</a>	DAR-M20: IDS Pipeline: Disable PLACES batch PUT requests
<a href="#">IDS-8680</a>	DAR-MARS Better error message from marsecorr
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<a href="#">IDS-8813</a>	DAR-MARS Incorrect global env variable definition 2
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<a href="#">IDS-8797</a>	DAR-MARS Remove mesh support for 32-bit build
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<a href="#">IDS-9229</a>	DAR-MARS_increase size to 5000 in cattp
<a href="#">IDS-8733</a>	DAR-MARS_marsautotie multiband fixes and add FOV
<a href="#">IDS-9259</a>	DAR-MARS_marsmcauley labels for IDX,ICM
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<a href="#">IDS-8576</a>	DAR-MARS_marsfilt min_window bug fix
<a href="#">IDS-8911</a>	DAR-MARS_marstile fixes
<a href="#">IDS-8837</a>	DAR-MARS_misc heli fixes
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<a href="#">IDS-8841</a>	DAR-MARS_pixel trapezoid fixes
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<a href="#">IDS-9041</a>	DAR-MARS_radiometry exp0 and dynamic bias fix
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<a href="#">IDS-9299</a>	DAR-mars Missing MATCH_METHOD parameter in pdf for some mars program