CR Number	Title	Date	Originator	Description	Need For Change	Alternatives	Comments
GSF_03-09_01	Support for Kongsberg Multibeam sonars using the KMALL format	4/8/2019	Brett Goldenbloome, Leidos	Added KMALL_SPECIFIC subrecord identifier. Added KMALLSpecific and KMALLImagerySpecific structures.	To add support in GSF for the Kongsberg KMALL multibeam systems	None	
GSF_03-09_02	Added functionality for storing GSF compressed	4/8/2019	Conrad Curry, NAVOCEANO	Added ENABLE_COMPRESSION scale factor flag. Added new functions for compressing the gsf record structures.	Decrease size of stored archived GSF files	None	
GSF_03-09_03	Update gsfLoadDepthScaleFactorAutoOffset to work with ERS corrected pings	4/8/2019	Brett Goldenbloome, Leidos	Use the ping flags to determine which type of corrector has been applied.	Properly sets the scale factors for the ping after applying conventional tides and ERS vertical control.	None	
GSF_03-09_04	Add vertical datum definition for Lowest Normal Tide (LNT), Approximate Mean Low Water Springs (AMLWS), Approximate Mean Lower low Water (AMLLW), Mean Low Water Spring (MLWS), Approximate Mean Sea Level (AMSL), Approximate Mean Low Water (AMLW), Approximate Indian Springs Low Water (AISLW), and Approximate Lower Low Water Springs (ALLWS)	4/8/2019	NAVOCEANO, Gail Smith	Add vertical datum definition for Lowest Normal Tide (LNT), Approximate Mean Low Water Springs (AMLWS), Approximate Mean Lower low Water (AMLLW), Mean Low Water Spring (MLWS), Approximate Mean Sea Level (AMSL), Approximate Mean Low Water (AMLW), Approximate Indian Springs Low Water (AISLW), and Approximate Lower Low Water Springs (ALLWS)	Completeness of vertical datums	None	
GSF_03-09_05	Various Bug Fixes to improve stability	4/8/2019	Conrad Curry, NAVOCEANO	Fixed various issue throughout the code to improve performance and stability	Improve robustness of codebase	None	