DSG HDIce Schedule 2/22/2018		Feb		March				April					May				June				July					August				September				October				
		19	26	5	12	19	26	2	9	16	23	30	7	14	21	28	4	11	18	25	2	9	16	23	30	6	13	20	27	3	10	17	24	1	8	15	22	29
Upgrade of RF Rack #1	Upgrade of RF Box # 1 and # 2:																																					
	Upgrade electronics for readback of terminator and cable types & interlock status																																					
	Debug and test																																					
	Isolate rack mounting on RF generator, RF amplifier, RF box, signal generator																																					
	Configure new PC and instrumentation interface hardware for NMR rack 1 upgrade																																					
	Debug and test NMR, RTP, and FRS programs with upgraded instrumentation																																					
	Rack 1 instrumentation used to develop synchronization hardware and software																																					
	Install & debug instrumentation, computer, power supply, and hardware interfaces in HDIce lab																																					
Synchronization for Lock-in Amplifier Data	Develop, debug, and test hardware trigger interface for CT-box to lock-in amp																																					
	Develop code interface between lock-in amp triggers with current measurement device drivers																																					
	Develop test program to test triggering rate efficiency and timing																																					
	Develop, debug, and test synchronization library sub-routines into lock-in amp DAQ code																																					
	Modify, debug, and test NMR subroutines to write synchronized measurements to data file																																					
	Integrate, debug, and test synchronization code package into main NMR program																																					
Debug Gauss offset issue in NMR scans																																						
Modify, debug, and test NMR code to write gauss/current measurements to data file																																						
Revise RF Splitter/Attenuation boxes to add local instrumentation status readback capabilities																																						
Consolidate RF Splitter/Attenuation box communication interfaces into a single communication interface																																						
Debug VISA device base drivers for Oxford Mercury iPS power supplies																																						
Revise, debug, and test RTP and NMR programs for Oxford Mercury iPS power supplies																																						
Update all NMR LabVIEW instrumentation drivers to VISA.																																						
Rewrite, reorganize, and document NMR main program and subroutine libraries																																						