

CONFIGURATION CHANGE REQUEST (CCR) Part A		CCR SEQUENCE NUMBER USCRN 2008-34	
1. BASIS FOR CCR <input type="checkbox"/> CORRECTIVE <input type="checkbox"/> PROBLEM PREVENTION <input checked="" type="checkbox"/> IMPROVEMENT		2. SUBMITTING AUTHORITY (Name & Org Code) Mark Hall OAR/ATDD	
		3. PHONE NUMBER 865-576-0366	4. SUBMISSION DATE 07/25/2008
5. COGNIZANT TECHNICAL INDIVIDUAL Mark Hall		6. PHONE NUMBER 865-576-0366	
7. TITLE OF CHANGE Datalogger upgrade to Campbell Scientific CR3000			
8. TYPE OF CHANGE <input checked="" type="checkbox"/> HARDWARE <input type="checkbox"/> SOFTWARE <input type="checkbox"/> DOCUMENTATION ONLY		9. EFFECTIVITY <input checked="" type="checkbox"/> SYSTEM <input type="checkbox"/> SPECIFIC SITE	
10. STATEMENT OF REQUIREMENT, PROBLEM, OR DEFICIENCY . The current datalogger (23X) model is no longer manufactured. Due to the expansion of the network the number of dataloggers available for new sites and annual maintenance visits is limited.			
11. KNOWN OR PROPOSED SOLUTION The new model of datalogger available from Campbell Scientific is the CR3000. This datalogger has the following advantages and benefits: <ol style="list-style-type: none"> 1. It will fit into the existing mounts with no modification. 2. It communicates with computers, the GOES transmitter, etc., with no modifications. 3. It has more input channels, which will facilitate sensor expansion, particularly the addition of soil moisture and temperature. 4. It will allow the use of the current temperature sensors (PRTs) without the need of a bridge resistor. 5. It will allow the use of a secondary on site data storage device (CSI NL115, Ethernet and Compact Flash Module) This device will give almost unlimited on site data storage and will provide an efficient method for recovering data missed by the GOES communication. 			
12. REQUIRED CHANGE DATE Dataloggers will be upgraded over the next few years as funds are available to purchase additional CR3000s.		13. RATIONALE FOR REQUIRED CHANGE DATE The upgrades are needed as soil moisture/temperature are added to the network and also as additional stations are added.	
14. RISK FACTOR FOR CHANGE <input checked="" type="checkbox"/> LOW <input type="checkbox"/> MEDIUM <input type="checkbox"/> HIGH		15. DECISION AUTHORITY LEVEL <input type="checkbox"/> FAST TRACK (* e.g.; correct documentation) <input checked="" type="checkbox"/> USCRN CCB ONLY <input type="checkbox"/> PMC	
16. USCRN CCB DISPOSITION <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED <input type="checkbox"/> RECOMMEND APPROVAL		16. AUTHORIZING SIGNATURE	
		18. DISPOSITON DATE	
19. PMC DISPOSITION <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED		20. AUTHORIZING SIGNATURE	
		21. DISPOSITION DATE	

CONFIGURATION CHANGE REQUEST (CCR) Part B		CCR SEQUENCE NUMBER	
1. APPROVED SOLUTION			
2. WORK AUTHORIZATION NUMBER		3. ASSIGNED ACTION ENGINEER	
FUNDING INFORMATION		FUNDING SOURCE	COST DATA
4. DEVELOPMENT COSTS		NIDIS funding	
5. OPERATIONAL TEST AND EVALUATION COSTS		NIDIS funding	
6. PRODUCTION COSTS		NIDIS Funding to cover the CR3000 upgrade	\$3000 per site, plus spares
7. COMMUNICATION SERVICE/CIRCUIT COSTS			
8. IMPLEMENTATION SUPPORT COSTS		Included in AMV funding	
9. LIFE CYCLE SUPPORT COSTS		No different than 23X life cycle support	
10. TOTAL ESTIMATED COSTS			450K
SUPPORT INFORMATION AND SCHEDULES			
11. DEVELOPMENT SCHEDULE & STATUS		12. PROCUREMENT SCHEDULE & STATUS	
13. IMPLEMENT/RETROFIT SCHEDULE & STATUS		14. REQUIRED CLEARANCES/WAIVERS/LICENSES	
15. PHYSICAL ITEMS & DOCUMENTS AFFECTED		16. LOGISTICS IMPACTS	
17. OPERATIONS IMPACTS		18. STAFF RESOURCES IMPACTS	
IMPLEMENTATION			
19. PLANNED IMPLEMENTATION DATE		20. CHANGE NOTICE NUMBER	
21. CHANGE NOTICE ISSUE DATE		22. CHANGE COMPLETION DATE	