

Generic temperature profile for cryo stations: *Header*

Table references	Element name	Description / comments	Code table
0 07 030	Height of station ground above mean sea level		
0 08 029	Surface type	/ Define on what 'ground' the station stands	Land
0 02 177	Method of snow depth measurement	/ Not necessarily needed	Ultrasonic method
0 20 062	State of the ground (with or without snow)	/ Daily observation rarely available at unmanned stations	Even layer of compact or wet snow covering ground completely
23 03 YYY	Change reference values	/ to allow negative values for snow depth	
0 13 013	Total snow depth		
23 03 255	Change reference values		
0 08 029	Surface type	/ Conflicting w/ definition above	Sea ice
0 13 115	Ice thickness	/ Nice to have	
0 08 029	Surface type	Cancel	

Generic temperature profile for cryo stations: *Elemental profile sequence*

	Table references	Element name	Description / comments	Code table
Surface temperature	0 08 010	Surface qualifier (for temperature data)	/ Changed table reference	Snow
	0 12 161	Skin temperature		
	0 08 010	Surface qualifier (for temperature data)	Cancel	
Temperature profile	1 02 000	Delayed replication of 2 descriptors		
	0 31 001	Delayed replication factor		
	0 07 032	Height of sensor above local ground (or deck of marine platform)		
	0 12 133	Temperature kelvin	New	
	1 02 000	Delayed replication of 2 descriptors		
	0 31 001	Delayed replication factor		
	0 07 034	Depth of sensor below local ground (or deck of marine platform)	New	
	0 12 133	Temperature kelvin	New	

Generic temperature profile for cryo stations: *Proposed profile sequence*

	Table references	Element name	Description / comments	Code table
Surface temperature	0 08 010	Surface qualifier (for temperature data)	/ Changed table reference	Snow
	0 12 161	Skin temperature		
	0 08 010	Surface qualifier (for temperature data)	Cancel	
Temperature profile	1 07 000	Delayed replication of 7 descriptors		
	0 31 001	Delayed replication factor		
	0 07 034	Height of sensor <i>relative to local ground (or deck of marine platform)</i>	New	
	0 12 101	Temperature/air temperature		
	0 12 131	Snow temperature		
	0 12 130	Soil temperature		
	0 12 133	Ice temperature	New / Needed for sea ice	
	0 13 082	Water temperature		
	0 12 134	Temperature kelvin / Temperature in kelvin as 0 12 023 is in degree Celsius	New / Temperature in kelvin as 0 12 023 is in degree Celsius	

