

**BUFR Table D – *List of common sequences***

F	X	Category of sequences	Identifier
NONE			

**Category 04 – Meteorological sequences common to satellite observations**

TABLE REFERENCE F X Y	TABLE REFERENCE	ELEMENT NAME	ELEMENT DESCRIPTION	Identifier
		(BUFR sequence for describing satellites contributing to an observed geophysical quantity)		2017-2.4.5(CM-I)
3 04 038	1 08 000	Delayed replication of 8 descriptors		
	0 31 001	Delayed descriptor replication factor		
	0 08 021	Time significance	= 28 Start of scan	
	3 01 011	Year, month, day		
	3 01 013	Hour, minute, second		
	0 08 021	Time significance	= 29 End of scan	
	3 01 011	Year, month, day		
	3 01 013	Hour, minute, second		
	0 01 007	Satellite identifier		
	0 02 019	Satellite instruments		
	0 08 021	Time significance	Set to missing (cancel)	

## Category 06 – Meteorological or oceanographic sequences common to oceanographic observations

TABLE REFERENCE	TABLE F X Y REFERENCE	ELEMENT NAME	ELEMENT DESCRIPTION	Identifier
		(Chlorophyll-A (fluorescence) profile data)		2016-3.2.7(DRMM-IV)
3 06 044	1 09 000	Delayed replication of 9 descriptors		
	0 31 002	Extended delayed descriptor replication factor	Gives number of depths	
	0 07 062	Depth below sea/water surface	Set to missing	
	0 08 080	Qualifier for quality class	Set to missing	
	0 33 050	Global GTSP quality flag	Set to missing	
	0 07 065	Water pressure		
	0 08 080	Qualifier for quality class	Set to 10 (pressure at a level)	
	0 33 050	Global GTSP quality flag		
	0 41 002	Fluorescence	Chlorophyll-A   In kg l-1 (= 109 mg m-3)	
	0 08 080	Qualifier for quality class	Set to 21 (Chlorophyll-A at a level)	
	0 33 050	Global GTSP quality flag		
		(Dissolved nitrate profile data)		2016-3.2.7(DRMM-IV)
3 06 045	1 09 000	Delayed replication of 9 descriptors		
	0 31 002	Extended delayed descriptor replication factor	Number of depths	
	0 07 062	Depth below sea/water surface	Set to missing	
	0 08 080	Qualifier for quality class	Set to missing	
	0 33 050	Global GTSP quality flag	Set to missing	
	0 07 065	Water pressure		
	0 08 080	Qualifier for quality class	Set to 10 (pressure at a level)	
	0 33 050	Global GTSP quality flag		
	0 41 003	Dissolved nitrate	In µmol kg-1	
	0 08 080	Qualifier for quality class	Set to 22 (nitrate at a level)	
	0 33 050	Global GTSP quality flag		
		(pH profile data)		2016-3.2.7(DRMM-IV)
3 06 046	1 09 000	Delayed replication of 9 descriptors		
	0 31 002	Extended delayed descriptor replication factor	Number of depths	
	0 07 062	Depth below sea/water surface	Set to missing	
	0 08 080	Qualifier for quality class	Set to missing	
	0 33 050	Global GTSP quality flag	Set to missing	
	0 07 065	Water pressure		
	0 08 080	Qualifier for quality class	Set to 10 (pressure at a level)	
	0 33 050	Global GTSP quality flag		
	0 13 161	pH scale		
	0 13 080	pH	Dimensionless	
	0 08 080	Qualifier for quality class	Set to 23 (pH at a level)	
	0 33 050	Global GTSP quality flag		

		(Backscatter profile data)	
3 06 047	0 02 071	Spectrographic wavelength	In m
	1 09 000	Delayed replication of 9 descriptors	
	0 31 002	Extended delayed descriptor replication factor	Number of depths
	0 07 062	Depth below sea/water surface	Set to missing
	0 08 080	Qualifier for quality class	Set to missing
	0 33 050	Global GTSP quality flag	Set to missing
	0 07 065	Water pressure	
	0 08 080	Qualifier for quality class	Set to 10 (pressure at a level)
	0 33 050	Global GTSP quality flag	
	0 41 006	Backscattering	m-1
	0 08 080	Qualifier for quality class	Set to 24 (backscatter at a level)
	0 33 050	Global GTSP quality flag	

**Category 15 – Oceanographic report sequences**

TABLE REFERENCE F X Y	TABLE REFERENCE	ELEMENT NAME	ELEMENT DESCRIPTION	Identifier
3 15 011	3 01 150	(Met-ocean observations from unmanned surface vehicles)		2018-2.4.4(CM-III)
	0 01 036	WIGOS identifier		
	0 01 085	Agency in charge of operating the observing platform		
	0 01 086	Observing platform manufacturer's model		
	0 03 001	Observing platform manufacturer's serial		
	2 08 032	Surface station type		
	0 01 079	Change width of CCITT IA5 field		
		Unique ID for profile	UUID for report, 32 character hex string	
	2 08 000	Change width of CCITT IA5 field		
	3 01 011	Year, month, day		
	3 01 012	Hour, minute		
	3 01 021	Latitude/longitude (high accuracy)		
	0 01 012	Direction of motion of moving observing		
	0 01 013	Speed of motion of moving platform		
	1 03 000	Delayed replication of 3 descriptor		
	0 31 000	Short delayed descriptor replication factor		
	0 07 031	Height of barometer above mean sea level		
	3 06 038	Sequence for representation of standard surface marine meteorological observations from moored buoys		
	0 12 161	Skin temperature		
	1 01 000	Delayed replication of 1 descriptors		
	0 31 000	Short delayed descriptor replication factor		
	3 06 034	Surface current		
	1 01 000	Delayed replication of 1 descriptor		
	0 31 000	Short delayed descriptor replication factor		
	3 06 039	Sequence for representation of basic wave measurements		
	1 01 000	Delayed replication of 1 descriptors		
	0 31 000	Short delayed descriptor replication factor		
	3 06 033	Surface salinity		
	1 01 000	Delayed replication of 1 descriptor		
	0 31 000	Short delayed descriptor replication factor		
	3 06 041	Depth and temperature profile (high accuracy/precision)		
	1 01 000	Delayed replication of 1 descriptors		
	0 31 000	Short delayed descriptor replication factor		
	3 06 004	Depth, temperature, salinity		
	1 01 000	Delayed replication of 1 descriptor		
	0 31 000	Short delayed descriptor replication factor		
	3 06 005	Sub-surface current measurements		
	1 05 000	Delayed replication of 5 descriptors		
	0 31 000	Short delayed descriptor replication factor		
	0 41 001	pCO <sub>2</sub>		
	0 08 043	Atmospheric chemical or physical constituent		
	0 15 028	Mole fraction of atmospheric constituent/pollutant in dry air		
	0 08 043	Atmospheric chemical or physical constituent		
	0 13 080	Water pH		
	1 04 000	Delayed replication of 4 descriptors		
	0 31 000	Short delayed descriptor replication factor		
	0 41 005	Turbidity		
	0 41 003	Dissolved nitrates		
	0 22 188	Dissolved oxygen		
	0 41 002	Fluorescence		
	1 01 000	Delayed replication of 1 descriptor		
	0 31 000	Short delayed descriptor replication factor		
	3 06 040	Sequence for representation of detailed spectral wave measurements		

TABLE REFERENCE			TABLE REFERENCE	ELEMENT NAME	ELEMENT DESCRIPTION	Identifier
F	X	Y				
			1 04 000	Delayed replication of 4 descriptors		
			0 31 000	Short delayed descriptor replication factor		
			0 08 021	Time significance		
			0 04 025	Time period or displacement		
			0 14 017	Instantaneous long-wave radiation		
			0 14 018	Instantaneous short-wave radiation		