List of GTS bulletin headers for buoy data

NOTE: First column no longer in use, for record purpose only.

Table 1: Data distributed from the US Argos Global Processing Centre, Lanham, USA

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
SSVX02 KARS	IOBX02 KARS	GDP	Same
SSVX07 KARS	IOBX07 KARS	Arctic	New
SSVX08 KARS	IOBX08 KARS	TAO, PIRATA, RAMA	Was SSVX40 for TAO
SSVX12 KARS	IOBX12 KARS	Arctic, Antarctic, sea ice	Arctic, Antarctic merged
SSVX13 KARS	IOBX13 KARS	GDP	New
SSVX42 KARS	IOBX42 KARS	NOAA/NDBC, Southern Hemisphere	Was SSVX02
SSVX44 KARS	IOBX44 KARS	NE Pacific Ocean (USA, and Canada)	Was SSVX18
SSVX48 KARS	IOBX48 KARS	NOAA/NDBC, Northern Hemisphere	Was SSVX08
SSVX96 KARS	IOBX96 KARS	NDBC	Same
SSVX02 KARS	IOBX06 KARS	GDP	Former IOBX02
SSVX08 KARS	IOBX10 KARS	TAO, PIRATA, RAMA	Former IOBX08
SSVX12 KARS	IOBX16 KARS	Arctic and Antarctic	Former IOBX12
	IOBX18 KARS	Other Drifter Buoys	Former IOBX03
	IOBX04 KARS	Other Moored Buoys	

Table 2: Data distributed from the French Argos Global Processing Centre, Toulouse, France

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
SSVX01 LFVW	IOBX01 LFVW	North Atlantic	Same
SSVX03 LFVW	IOBX03 LFVW	Southern Hemisphere and ISABP ISABP	Same
SSVX07 LFVW	IOBX07 LFVW	Arctic, Antarctic, and sea ice	Arctic, Antarctic merged
SSVX11 LFVW	IOBX11 LFVW	TAO/PIRATA/RAMA networks	New
SSVX13 LFVW	IOBX13 LFVW	GDP	New
SSVX39 LFVW	IOZX39 LFVW	French West Indies	Was SSVX19
SSVX13 LFVW	IOBX05 LFVW	GDP	Former IOBX13
SSVX11 LFVW	IOBX09 LFVW	Triton	Former IOBX11
SSVX07 LFVW	IOBX15 LFVW	Arctic, Antarctic, and sea ice	Former IOBX07
SSVX01 LFVW	IOBX17 LFVW	Other Drifter Buoys	Former IOBX01

	IOBX19 LFVW	Other Moored Buoys	
	IOBX06 LFVW	Drifting buoys	New

Backup procedure in case one of the two Argos global processing centres fails (Tables 1 and 2 only): If one centre fails, the other centre processes all the data, i.e. the data it normally processed plus the data the other centre normally processes. Hence, when an Argos centre is in backup mode, it will generate bulletins with even and odd numbers (in normal mode, only even numbers are used by Lanham, and odd numbers by Toulouse). In other words:

- ☐ In case the French Argos Global Processing Center in Toulouse fails, the US Argos Processing Center in Largo is switched to backup mode. In that case, GTS bulletins normally distributed from Toulouse under TTAAii LFVW bulletin headers are distributed from Lanham under TTAAii KARS bulletin headers (e.g. SSVX01 LFVW becomes SSVX01 KARS and is sent out from Lanham).

- ☐ In case the US Argos Global Processing Center in Largo fails, the French Argos Processing Center in Toulouse is switched to backup mode. In that case, GTS bulletins normally distributed from Lanham under TTAAii KARS bulletin headers are distributed from Toulouse under TTAAii LFVW bulletin headers (e.g. SSVX04 KARS becomes SSVX04 LFVW and is sent out from Toulouse).

Remark concerning GDP: GDP drifters deployed world-wide may also participate in a DBCP regional action groups (e.g. ISABP if deployed in the South Atlantic). Nevertheless, reports from GDP Lagrangian drifters are normally included under the specific GDP bulletin headers as shown in tables 1 and 2.

Table 3: Data routed from the National Data Buoy Center (NDBC), Mississippi, USA, based on data received from Service Argos Inc. (SAI), Landover MD, USA

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
SNVD01 KWNB		Coastal USA	
SIVD15-18 KWNB			
SNVD15-18 KWNB			
SMVD15-18 KWNB			
SSVX02 KWNB			TAO Adrift
SSVX08 KWNB			TAO Moored Buoys
	IOBF08 KWNB	nominal position east of 180	TAO Moored Buoys
	IOBG08 KWNB	nominal position on or west of 180	TAO Moored Buoys
S?VD15 KWNB	IOB+15 KWNB	Atlantic offshore and Gulf of Mexico	FM 13 Moored Buoys
S?VD17 KWNB	IOBB17 KWNB	Pacific offshore	FM 13 Moored Buoys
S?VD19 KWNB	IOBB19 KWNB	Alaska and Bering Sea	FM 13 Moored Buoys
S?VD20 KWNB	IOBA20 KWNB	Atlantic Coastal	FM 13 Moored Buoys
S?VD22 KWNB	IOBB22 KWNB	Pacific Coastal	FM 13 Moored Buoys
S?VD45 KWNB	IOB+45 KWNB	Great Lakes	FM 13 Moored Buoys
S?VE15 KWNB	IOBB18 KWNB	Hawaii	FM 13 Moored Buoys
	IOBS17 KWNB	South Pacific	FM 13 Moored Buoys
SZIO01 KWNB		Indian Ocean	DART Buoy messages
SZNT01 KWNB		North Atlantic	DART Buoy messages
SZPN01 KWNB		North Pacific	DART Buoy messages

SZPS01 KWNB		South Pacific	DART Buoy messages
SZIO02 KWNB		Indian Ocean - 4G	DART Buoy messages
SZNT02 KWNB		North Atlantic - 4G	DART Buoy messages
SZPN02 KWNB		North Pacific - 4G	DART Buoy messages
SZPS02 KWNB		South Pacific - 4G	DART Buoy messages
SXVX?0 KWNB		Southeast	FM65 Non-directional wave obs
SXVX?1 KWNB		Gulf of Mexico	FM65 Non-directional wave obs
SXVX?2 KWNB		Northeast	FM65 Non-directional wave obs
SXVX?3 KWNB		Great Lakes	FM65 Non-directional wave obs
SXVX?4 KWNB		Mid-Atlantic	FM65 Non-directional wave obs
SXVX?5 KWNB		Atlantic/Gulf of Mexico	FM65 Directional wave obs
SXVX?6 KWNB		Pacific	FM65 Non-directional wave obs
SXVX?7 KWNB		Pacific	FM65 Non-directional wave obs
SXVX?8 KWNB		Pacific	FM65 Non-directional wave obs
SXVX?9 KWNB		Pacific	FM65 Directional wave obs
SOVD83 KWNB			FM64 TESAC Messages
	IOBX01 KWNB		Drifter data in non validated BUFR
	IO**R**X01 KWNB		Saildrones
	IOSX05 KWBC		Gliders
	IOBX03 KWNB		OpenGTS Pilot
SXUS20 KWNB	ISAA20 KWNB	East Coast	FM307079
SXUS21 KWNB	ISA+21 KWNB	Gulf of Mexico&Caribbean	FM307079
SXUS22 KWNB	ISA+22 KWNB	Great Lakes	FM307079
SXUS23 KWNB	ISAB23 KWNB	West Coast and Pacific	FM307079
	ISAS23 KWNB	South Pacific	FM307079

Table 4: Data routed from NOAA, Washington DC, USA, based on data received from Service Argos

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
SSVX12 KWBC		Arctic Ocean	
SSVX02 KWBC		NOAA/NDBC Global	
SNVD01 KWBC		NOAA/NDBC, Global	
SNVE01 KWBC		NOAA/NDBC, Global	
SSVX04 KWBC		Arctic, IABP	
SSVX42 KWBC		NOAA/NDBC, Southern Hemisphere	Was SSVX02 KWBC
SSVX48 KWBC		NOAA/NDBC, Northern Hemisphere	Was SSVX08 KWBC
SNVD01 KWNB		Coastal USA	
SIVD15-18 KWNB			
SNVD15-18 KWNB			
SMVD15-18 KWNB			
SOVD03 KWBC			FM64 TESAC
SOVD06 KWBC			FM64 TESAC
SOVD83 KWBC			FM64 TESAC
SOVD83 KWNB			FM64 TESAC

	ISSA[A-L][15/17/20/22] KWNB		NOAA
	IOB[B/C]18 KPML	OceanSITES Pacific	From PMEL
SSVX08 KWNB	IOBF08 KWNB	East of 180	TAO data
	IOBG08 KWNB	on or West of 180	
	IOBX05 KWBC	Arctic, IABP(Old BUFR template)	From Pacific Gyre
	IOBX06 KWBC	Official new template 315009	From Pacific Gyre
	IOBX01 KWBC	Non validated BUFR format	SIO data
	IOBX02 KWBC	Official new template 315009	SIO data **AND** NAVOCEANO
	IOBX08 KPML	New	Moored buoys; PIRATA, RAMA

Table 5: Data routed from NOAA, Washington DC, USA from data received by The Lagrangian Drifter Laboratory (LDL) at Scripps Institution of Oceanography (SIO)

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
	IOWX02 KWBC	new template 315009	Wave Drifter/SIO-LDL, incl. significant wave height, period and direction

Table 6: Data routed from Montreal

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
SSVX02 CWAO	IOBX02 CWAO	All Oceans	
SSVX05 CWAO	IOBX05 CWAO	All Oceans	
	IOBX18 CWAO	All Oceans	Volunteered (third party, commercial) non-MSC drifting buoys; Was IOBX12
	IOBX16 CWAO	All Oceans	Non-commercial MSC drifting buoys; Was IOBX15
SOVD05 CWAO		All Oceans	FM-65 WAVEOB
SXCN19 CWAO		All Oceans	FM-18

Table 7: Data routed from Halifax Local User Terminal (LUT)

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
SIVD17 CWHX		NorthWest Atlantic Ocean	
SSVX01 CWHX		NorthWest Atlantic Ocean	
SNVD17 CWHX		NorthWest Atlantic Ocean	

Table 8: Data routed from Météo -France Toulouse, GTS node

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark

	IOB[A-L]01 LFPW		Drifting buoys, Météo -France
	IOB[D-E]02 LFPW		Météo-France waveriders and moored buoys (Iridium)
	IOB[A-L]03 LFPW		CEREMA Datawell waveriders (HF)

Table 9: Data routed from the Japan Meteorological Agency

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
SSVX01 RJTD		Pacific Ocean (Japan, marine stations and buoys)	
SSVB01 - SSVB19 RJTD		Pacific Ocean (Japan, marine stations and buoys)	
	IOB[A-D, I-L]1[1-3] RJTD	Pacific Ocean (Japan, marine stations and buoys)	
	IOBC14 RJTD	Pacific Ocean (Japan, marine stations and buoys)	Wave drifters

Table 10: Data routed from the India

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
SSVX01 DEMS	IOBX01 DEMS	Indian Ocean (India, North Indian Ocean)	Moored buoys

Table 11: Data routed from the Korean Meteorological Administration

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
SMVX01 RKSL		North Pacific	
SMVX25 RKSL		North Pacific	
SNVX21 RKSL		North Pacific	
SSWB41 RKSL		North Pacific	
SSWB19 RKSL		North Pacific	
SSWX01 RKSL		North Pacific	

Table 12: Additional Bulletins sent from European Centres

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
SMVB01 EGRR			
SMVD01 EGRR			
SMVD10 EHDB			
SMVX25 EDZW			
SMVX42 EDZW		Northern Atlantic and Arctic	
SMVX43 EDZW			
SMVX45 EDZW			
SNVX21 EDZW			
SSVF01 BIRK			
SSVF11 LIIB			
SSVF21 EIDB			Ireland Moored Buoys

	IOBA21 EIDB		Ireland Moored Buoys
	IOB[A/D][01-20] LEMM	Mediterranean and Atlantic	Spain
	IOBD23 LIIB	Mediterranean	(Italy) provisional
	IOBD01 LGAT		Greece
	ISSX81 EDZW		(Germany) BSH/DWD
	ISS[A/D][01/11/16] EGRR		(UK)
	IOWAnn EGRR		(UK) Wave data only
	ISSA22 EIDB		(Ireland)
	IOBA01 LPMG		Portugal Moored Buoys

Table 13: Data routed from Southern Atlantic

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
SSVX01 SBBR		Brazil	

Table 14: Data routed from China Meteorological Administration

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
	IOBK01 BABJ		Moored buoy

Table 15: Data routed from Hong Kong, China

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
	IOBC01VHHH		Drifting buoys

Table 16: Data routed from Bareau of Meteorology, Australia

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
	IOWK01 AMMC		Wave buoys

Table 17: Data routed from MET, Norway

Bulletin header (BUOY)	Bulletin header (BUFR)	Deployment area	Remark
	IOBD01 ENMI		Moored buoys