

# 2009 Catalogue of the Marlin-Yug WOCE style drifters



Base specification		DBCP Report No.4. REVISION 2. May 2005		DBCP Report No.4. REVISION 1.3. December 2003		Modifications of WOCE style drifters			
Model		SVP mini	SVP-B mini	SVP-B	SVP-BT	SVP-TC80	SVP-BTC80	SVP Surface	
Number		1	2	3	4	5	6	7	
Type		Surface manual deployable Lagrangian drifter	Surface manual deployable Lagrangian barometer drifter	Surface manual deployable Lagrangian barometer drifter	Surface manual deployable Lagrangian barometer drifter	Surface manual deployable thermoprofiling drifter (80 m)	Surface manual deployable thermoprofiling barometer drifter (80 m)	Surface manual deployable, recoverable Lagrangian drifter for shallow water	
Sensors	Barometric Pressure		+	+	+		+		
	Air Pressure Tendency		+	+	+		+		
	Sea Surface Temperature	+	+	+	+	+	+	+	
	Subsurface Temperature				+	+	+		
	*Temperature Profile					+	+		
	*Depth of chain's end					+	+		
	Battery Voltage	+	+	+	+	+	+	+	
	Submergence	+	+	+	+	+	+	+	
	GPS locations	Optional							+
	Real Time Clock	Optional							
**Theoretical lifetime (mon.)		>27	>24	>37	>32	>23 (6 for temperature chain)		>50 hours when 1 set of batteries	
Drag Area Ratio		41.0		39.5		5.6 (Non-Lagrangian drifters)		40.8	
Surface float		Ø34cm		Ø41cm				Ø34cm	
Tether line		Ø0.4cm		Ø0.56cm				Ø0.4cm	
Drogue		Holey Sock, Ø61cm, 5 segments, 610cm length		Holey Sock, Ø92cm, 6 segments, 552cm length				Tristar	
Drogue depth		15m				12.5m		1-5m	
Link	Argos-2	+							
	Iridium	+							
	GSM (cell phone)								+

\*Temperature chain has 16 digital thermometers. Nominal depths of the chain's temperature sensors are: Tz1=10m; Tz2=12m; Tz3=15m; Tz4=20m; Tz5=25m; Tz6=30m; Tz7=35m; Tz8=40m; Tz9=45m; Tz10=50m; Tz11=55m; Tz12=60m; Tz13=65m; Tz14=70m; Tz15=75m; Tz16=80m. Nominal location of the depth sensor is 80m. Quantity and disposition of chain's temperature sensors may be optionally changed by user request.

\*\*Lifetime for any model of drifter shown in the table is after one-year storage of a buoy.