



**Cruise: ARES06WT**

Begin date (dd/mm/yyyy): 12/06/1971 End date: 20/07/1971

Data collected (# points): twtt: 5983 tcor: 5983 mtot: 5077 manm: 5077

File: ARES06WT.gmtd

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Cruise level information  
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cruise-id::ARES06WT  
cruise-name::ARIES LEG 6  
cruise-narrative::current measurements off Japan  
science-themes:: Physical Oceanography  
scientific-party-equipment::current meters  
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cruise-start-date::1971-06-12  
cruise-start-port::TOKYO,JAPAN  
latitude-start::34.9521  
longitude-start::139.5389  
cruise-end-date::1971-07-27  
cruise-end-port::YOKOHAMA,JAPAN  
latitude-end::34.442  
longitude-end::138.8045  
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latitude-minimum::28.49580  
longitude-minimum::130.00211  
latitude-maximum::34.95210  
longitude-maximum::140.36500  
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data-corrected-for-ship-draft::YES  
data-corrected-for-tides::NO  
data-types::depth\_sec magnetic\_field magnetic\_anomaly  
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pi-city-state-zip::Seattle,WA 98115-0070  
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pi-fax::206-526-6744  
pi-institution::NOAA/Pacific Marine Environmental Laboratory  
pi-name::Taft, Bruce  
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pi-title::Retired  
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SIO Log weekly reports  
Aries Expedition Leg 06

T. WASHINGTON - ARIES Expedition, Dr. Bruce A. Taft, ORD/SIO, 6/12/71 to 7/21/71. 180100Z June 1971. Completed 3 -1/2 day continuous tracking of Kuroshio from Kyushu to Izu\_Ogasowara Ridge. Off Kyushu current path very complicated with tight meandering about isobaths. East of Shikoku current path is very smooth with no clear evidence of topographic meanders. South of Shikoku current went in to shoal water and then appeared to come out of the shallow water greatly intensified. Beginning to get a feel for the behavior in various regions. Today we plant our first array of current meters underneath the Kuroshio.

Taft

THOMAS WASHINGTON - ARIES Expedition, Dr. Bruce Taft, Scientist-in-Charge investigations Kuroshio current off Japan, Yokohama to Yokohama, 7/3 - 21/71. Position Lat. 31.5N, Long, 133.9E, sky partly cloudy, wind 240 20 kt., sea moderate swell, 220 8 ft. baro 2967, temp sea 86, air 82, progress satisfactory. DTG 081000Z July 1971. Deep hydro graphic sections completed off Shikoky and Kyushu at location of bottom current meters. Current transports are abut 50 million cubic meters per second relative to bottom. Tomorrow begin long track of Kuroshio with radio drogues.

MGD77 file information			
4ARES06WTMGD77	5511120030627	SCRIPPS INSTITUTION OF OCEANOGRAPHY	01
USA	R/V THOMAS WASHINGTON	SHIP TAFT B.	02
ARIES LEG 6			03
19710612	TOKYO, JAPAN	19710727	YOKOHAMA, JAPAN
SATNAV, AUTOLOG GYRO + EMLOG		LINEAR INTERP. BETWEEN ADJACENT FIXES	05
12KHZ/GIFFT RECORDER/WIDE(60DEG)BEAM		ANALOGUE RECORDS, PUNCHED CARDS	06
VARIAN MFD PROTON PRECESSION MOD 4970		ANAL.RECORDS, CARDS	07
			08
			09
A(I1,A8,I3,I4,3I2,F5.3,F8.5,F9.5,I1,F6.4,F6.1,I2,I1,3F6.1,I1,F5.1,F6.0,			10
F7.1,F6.1,F5.1,A5,A6,I1)			11
0501SECONDSWEEP14630005	MINUTE	INTERVAL	12
05006	03IGRF 1965	LIN.INTERP.AT 30DEG C/C OR 500MI ALONG TRACK	13
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