



Cruise: ARES02WT

Begin date (dd/mm/yyyy): 08/01/1971 End date: 21/02/1971

Data collected (# points): twtt: 8683 tcor: 8683 mtot: 8451 manm: 8451

File: ARES02WT.gmtd

Cruise level information

cruise-id::ARES02WT
cruise-name::ARIES LEG 2
cruise-narrative::Hydro stations and current meters off Wellington, New Zealand
science-themes::Physical Oceanography
scientific-party-equipment::current meters, hydrocast

cruise-start-date::1971-01-07
cruise-start-port::WELLINGTON,NEW ZEALAND
latitude-start::-41.49659
longitude-start::174.75659
cruise-end-date::1971-02-21
cruise-end-port::WELLINGTON,NEW ZEALAND
latitude-end::-42.79939
longitude-end::173.88689

latitude-minimum::-70.68069
longitude-minimum::150.68580
latitude-maximum::-41.49660
longitude-maximum::176.57430

data-corrected-for-ship-draft::YES
data-corrected-for-tides::NO
data-types::depth_sec magnetic_field magnetic_anomaly seismic_reflection

pi-city-state-zip::La Jolla, CA 92093-0230
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SIO Log weekly reports
Aries Expedition Leg 02

WASHINGTON - ARIES EXPEDITION - Operating South West Pacific Area - Joseph L. Reid, ORD, MLRG, Scientist-in-Charge, 1/8 - 2/22/71.

Washington - ARIES Expedition - Operating South West Pacific Area. Joseph L. Reid, ORD, MLRG, Scientist-in-Charge, 1/8 - 2/22/71. 210730Z Jan. 1971. Operating in vicinity of Balleny Islands. Weather operable, plenty of icebergs. Continued overcast and frequent snow. Lost of penguins, whales, killer whales, and birds. Rich plankton hauls, All systems working except STD. Have made thirteen deep cast T, S, oxygen and nutrients. Have deployed five current meters for periods up to four days and ore camera for one day. Camera position 66 degrees 18 minutes south. All recovered and al have god data. All released operated, two on each vehicle. Have redeployed four current meters set for 25 days. Iacta EST Alia. Westward transport south of Balleny Islands about ten million tons per second. High bottom salinity indicates influence of Ross Sea. Crossed Antarctic Circle yesterday.
Reid

MGD77 file information			
4ARES02WTMGD77	5511320030627	SCRIPPS INSTITUTION OF OCEANOGRAPHY	01
USA	R/V THOMAS WASHINGTON	SHIP REID J.	02
ARIES LEG 2			03
19710107	WELLINGTON, NEW ZEALAND	19710221	WELLINGTON, NEW ZEALAND
			04
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
40CU.IN.AIRGUN, 10-300HZ, PDR MK 10 REC.		35MM MICROFILM	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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