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SHIP: Morrito

CRUISE NO: NL 2111/2 AREA:

AREA:

Lake Managua

LEG NO: NL-2

YEAR: 2006 Sidescan

[illegible]

McIntosh, Kirk D.; Mann, Paul (2018): Sidescan data collected by a ferry boat, the Mozorola, and a barge, the Morrito #2, in Lake Nicaragua (May 6-24, 2006) and Lake Managua (May 26-31, 2006). Academic Seismic Portal at UTIG, Marine Geoscience Data System. <http://dx.doi.org/10.1594/IEDA/500247>

Side Scan Sonar
OPERATIONS LOG

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SHIP: Merrito CRUISE NO: NL-1

AREA:

Lake Managua

LEG NO: NL-2 YEAR: 2006

cse spd

TIME AND POSITION					LINE NO:	STATION NO:	STATION ID:	SAMPLE NO:	OPERATIONS, COMMENTS, DATA MEASUREMENTS
JULIAN DAY/DATE	UCT HR-MIN	LATITUDE dd-mm.mm	LONGITUDE ddd-mm.mm	WATER DEPTH					
5/27/06	13:32	12 11.82	86 06.96						SOL 27-May-2006-00
	8:54	12 10.86	86 7.68		3				start Line 3 to West ~265°
	9:02	12 10.82	86 8.18						* Interesting feature NE-SW esp. on starboard side
	9:09	12 10.78	86 8.59						another interesting feature
	9:21	12 10.70	86 9.31						Possible fault (or artifact) near airport fault projection
	10:02	12 10.90	86 11.28		3				Possible fault SW-NE
10:24	12 10.99	86 12.91							stopped recording to write file 27-May-2006
10:25	12 11.01	86 13.12							resumed recording
	11:04	12 11.05	86 15.49				274	6.8	still recording line 3
	12:10:15	12 11.32	86 19.43		4				EOL 3 / start Line 4 (27-May-2006-01)
	14:32	12 10.57	86 11.94		5				EOL 4 / start line 5 (27-May-2006-02)
	15:07	12 10.27	86 13.74						SOL (27-May-2006-02a) computer crashed and lost data for ~3-5 minutes
4:16									then EOL 5 / SOL 6
	4:29	12 10.18	86 17.06		6				Likely fault SW/NE *
	17:28	12 10:32	86 14.28		7				EOL 1 SOL 1 (27-May-2006-05)
	19:01	12 11.95	86 07.05		7				EOL 7 (27-May-2006-05)

REMARKS (equipment configuration & settings, weather, etc.):

* GPS is now working - displayed and presumably incorporated in the data files.

OPERATIONS LOG

SHIP: Morrito #2

CRUISE NO: NL-1

AREA:

Lake Managua

LEG NO: M-1

YEAR: 2006

TIME AND POSITION					LINE NO:	STATION NO:	STATION ID:	SAMPLE NO:	OPERATIONS, COMMENTS, DATA MEASUREMENTS
JULIAN DAY/DATE	UCT HR-MIN	LATITUDE dd-mm.mm	LONGITUDE ddd-mm.mm	WATER DEPTH					
5/28/06	7:59	12 12.99	86 07.48						Start Line 7 (28 May - 2006 - 07)
	8:46	12 13.11	86 09.00						~8:40 we noticed features on 35 that did not show on sidescan
		12							so we changed settings from MED - 50m to HIGH - 30m
	9:02	12 13.08	86 11.01						NW-SE striking uplift seen on 35: sidescan (started few minutes ago)
	9:04	12 13.02	86 11.86						End of uplifted anomaly
	10:44	12 13.43	86 17.19						EOL 7 / start Line 8 (heading due North) (28 May - 2006 - 08)
	11:09	12 14.84	86 16.59						EOL 8 / start Line 9 (28 May - 2006 - 08)
	13:03	12 14.25	86 10.12						EOL 9 / start Line 10 (28 May - 2006 - 10)
	13:43	12 13.60	86 87.98						EOL 10 / SOL 11 (28 May - 2006 - 11)
	14:11	12 15.06	86 08.00						EOL 11 / SOL 12 (28 May - 2006 - 12)
	15:23	12 15.11	86 12.20						Slight course change to right 280°
	15:49	12 15.41	86 13.69						EOL 12 / SOL 13 (28 May - 2006 - 13)
5/28/06	1758	12 12.47	86 07.34						EOL 13

REMARKS (equipment configuration & settings, weather, etc.):

SideScan Sonar
OPERATIONS LOG

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SHIP: Moccito #2

CRUISE NO: NL-1

AREA:

Lake Managua

LEG NO: M-1

YEAR: 2006

CSE SPD

TIME AND POSITION					LINE NO:	STATION NO:	STATION ID:	SAMPLE NO:	OPERATIONS, COMMENTS, DATA MEASUREMENTS
JULIAN DAY/DATE	UCT HR-MIN	LATITUDE dd-mm.mm	LONGITUDE ddd-mm.mm	WATER DEPTH					
5/29/06	8:13	12 12.53	86 07.56		14				SOL 14 (29-May-2006-14) transit
	8:53	12 14.59	86 10.13		15				EOL 14 / SOL 15 (29-May-2006-15)
	9:02	12 14.63	86 10.82		15				Linear feature correlates w/ 3.5 kHz
	9:05	12 14.64	86 10.91		15				35 m wide depression (on 3.5 as well)
	9:18	12 14.77	86 12.27		15		295°		Change of course
	9:37	12 15.43	86 13.79	5.5	15		282°	9	course change to 282°
	10:18	12 15.80	86 17.28		16				towfish maybe tilted - not much data on <u>stop</u>
	10:18	12 15.80	86 17.28		16				EOL 15 / SOL 16 (29-May-2006-16)
	10:31	12 16.78	86 17.49		17				EOL 16 / SOL 17 (29-May-2006-17)
	11:01	12 18.20	86 15.73	11	17				change to medium / 50m (from high/40)
	11:40	12 20.08	86 13.42		18				EOL 17 / SOL 18 (29-May-2006-18)
	15:35	12 22.57	86 18.27		20				EOL 18 / SOL 20 (29-May-2006-20)
	16:19	12 19.76	86 19.26		20a				Machining down ~5 minutes SOL 20a (29-May-2006-20a)
	17:46	12 14.63	86 25.56		20a				Got line 20a

Line 15 is
obs 2nd segment
of 18

REMARKS (equipment configuration & settings, weather, etc.):

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Lake Managua

YEAR: 2006

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REMARKS (equipment configuration & settings, weather, etc.):

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YEAR: 2006

REMARKS (equipment configuration & settings, weather, etc.):