

BALAZS
1998 &
2000

G. BALAZS (808) 983-5733

FAX (808) 983-5902

BARBADOS 1998

8179, 8180

8207, 8208

CARIBBEAN SCANNED

HAWKS BILL

100 sheets • 200 pages
8 1/2" x 11" • 247 • 100 cm
wide ruled • 09918

SATELLITE TRACKING

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GBALAZS@HONLAB.NMFS.HAWAII.EDU

P.111

YEAR 2000

TORTUGUERO

COSTA RICA

hawks = 22126, 22134

16-21 JULY 00

greens = 19693-19694

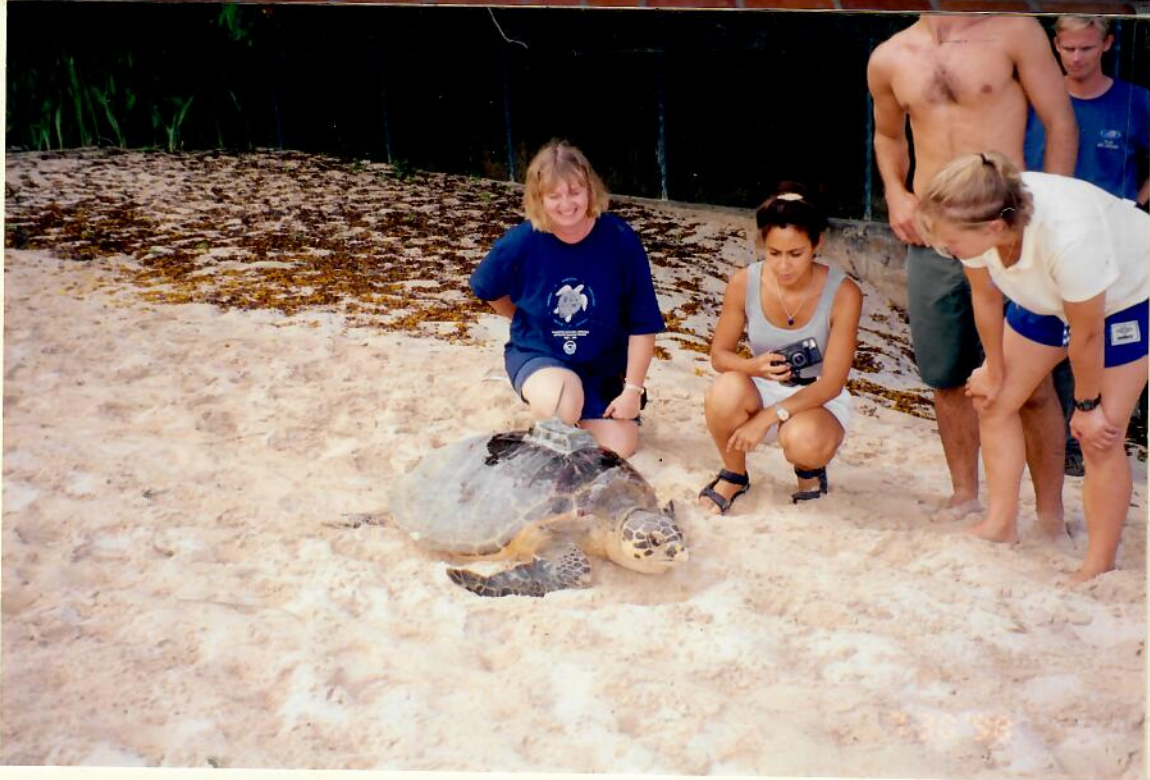
ZENIT

MAMBI

MISS TOMASA

ESPERANZA

mead BARBADOS: 27 JULY - 3 AUGUST 98
Days/NIGHTS ON BARBADOS =
28 JULY - MORNING OF 2 AUG.
TUES NIGHT SUNDAY



International

Training Workshop on the use of satellite transmitters to track post-nesting migrations of hawksbill turtles in the Caribbean Region

p. 95 - addresses Barry / Kirsten
p. 13 - people attending lecture at U.W.I.

8179

GPS

SANDY LANE = $13^{\circ} 10.335' N, 59^{\circ} 38.270' W$
= ARGOS STYLE ~ $13.16^{\circ} N, 59.63^{\circ} W$

8180
8208

GPS

HILTON = $13^{\circ} 04.732' N, 59^{\circ} 36.551' W$
= ARGOS STYLE ~ $13.07^{\circ} N, 59.60^{\circ} W$

8207

GPS

HERRON BAY = $13^{\circ} 11.731' N, 59^{\circ} 38.446' W$
= ARGOS STYLE ~ $13.20^{\circ} N, 59.63^{\circ} W$

INFO: NMFS-01 REV-01 5121-01 750-01 NOAA-01 4320-01 6902-01
4322-01 ----- AMADS AMADS 198/1521Z (TOTAL COPIES: 8)

PP RUCPDOC
DE RUEHWN #1865 1981512
ZNR UUUUU ZZH
P 171512Z JUL 98
FM AMEMBASSY BRIDGETOWN
TO RUEHC/SECSTATE WASHDC PRIORITY 4771
INFO RUCPDOC/USDOC/NMFS SILVER SPRING MD PRIORITY
BT
UNCLAS BRIDGETOWN 001865

E.O.12958: N/A
TAGS: KSCA, EFIS
SUBJECT: COUNTRY CLEARANCE NOAA/NMFS: GEORGE BALZS + 6,
7/28 TO 8/2/98

REF: STATE 124490

1. COUNTRY CLEARANCE IS GRANTED FOR THE FOLLOWING NOAA
NATIONAL MARINE FISHERIES SERVICE REPRESENTATIVES AND
INVITATIONAL TRAVELLERS TO TRAVEL TO BARBADOS JULY 28 TO
AUGUST 2, 1998:

- MAURICIO GARDUNO ANDRADE
- GEORGE BLAZS
- ~~RHEMA KERR~~
- JAMES RICHARDSON
- MICHELLE ROGERS
- BARBARA SCHROEDER
- ROBERT VAN DAM

2. ^{ZANDY HILLIS} THE PURPOSE OF THE VISIT IS TO CONVENE AND/OR PARTICIPATE
IN AN INTERNATIONAL TRAINING WORKSHOP TO FACILITATE
CONSERVATION AND RECOVERY OF ENDANGERED SEA TURTLES IN THE
CARIBBEAN.

3. EMBASSY POINT OF CONTACT IN COUNTRY IS ECONOMIC OFFICER
LEO GALLAGHER, TELEPHONE NUMBER: (246) 436-4950. JONES
BT
#1865

came to Hannon Bay 8/1 am 3rd deployment w/wife & kid

Date: 7/20/98
Sender: George Balazs
To: Shawn Murakawa
Priority: Normal
Subject: Fwd:Unclassified Cables--July 20, 1998
Please print the one for Balazs Schroeder

Forward Header

Subject: Unclassified Cables--July 20, 1998
Author: Mark Wildman
Date: 7/20/98 9:16 AM

Attached cables include the following subjects:

1. New Delhi--FAO COFI consultation
2. Santiago--Salmon dumping ruling
3. Bridgetown--Country clearance (Attn: George Balazs/Barbara Schroeder)
4. Santiago--Salmon dumping ruling
5. State Dept--NPAFC
6. Maputo--Country clearance (Attn: Brad Brown/Ambrose Jearld)
7. Jakarta--Raids on Indonesian shrimp farms

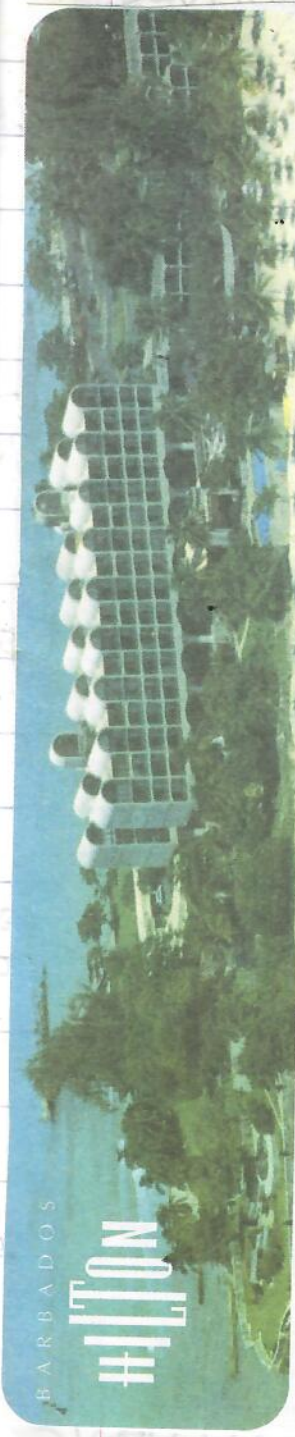
(3)

(246) 417-4320
UNiv. W. Indies office
Julia Horrocks

Bellairs FAX = 246-422-0692

office - (246) 422-2087
422-0321

Lotus home - (246) 422-8839



Barbados Hilton, Needhams Point, St. Michael, Barbados, W.I. Tel: (246) 426-0200 Fax: (246) 436-8946



LOTUS cell photo

422-0321

pronounced like "Cogan" (New Orleans)

8/1 → ANNIVERSARY DAY

"Bajan" = What Barbados people call themselves

ANNUAL Celebration 7/31-8/2

"Bajan Dialect"

Objectives: - collect algae/grass for diatoms

- Familiarize with FP manifestation

- collect FP tissue as opportunities permit

- Train engraving using Mototool

- Train by deploying ST14's on hawkbills
Sat. transmitter, attachment, ARGOS

basics of all aspects.

page 19 - Buck IS, Sat. Trans, Data, START & END POINTS

capitol city = BRIDGETOWN

ALL 9/30/98 T-pong fork LENGTH = Antenna posterior 2 1/2" Keivla anterior w/CASTED and Release BARBADOS TIME

P. 19 8179 (JULIA) 7/30/98 9 AM Sandy LANE 90 cm NO Keivla anterior

P. 46 8180 (Lotus) 8/1/98 4:11 AM HILTON SAT. 88 cm ccl

P. 96 8207 (Drew Barrymore) 8/1/98 - 8 AM HERON BAY SAT 88 cm ccl

P. 156 8208 (Chippie) 8/1 - 8/2 3:00 PM released SAT Sunday 88 cm ccl

note -
SNIP of hind-flipper skin taken from all the above for DNA analysis. All to JULIA.

BARBADOS

Monday
27 July Depart 9:14 PM UA FL 54 to LA (arrive 5:30 AM)

TUES: = 7:45 AM American FL 884 7/28 to Miami
w/ BAS, Michelle Rogers, Jim Richardson
5:30-6 PM. 4 hours - arrive Barbados

~ 10 PM. Zandy & Robert Vanden arrived earlier.
Lotus met us.

28 JULY
System 403689A ID = 8179
Battery connect 7/11/98
9m/3 off

TUES / Magnet off 0530 GMT 7/29/98
(1:30 AM Barbados Time)
Assembled + gear at midnight

Wed 7/29: morning when no turtle (suitable) nested.
one nested but no tag history, so let go.
Magnet off back on next time

Mon - ~ 2 PM drove to "SANDY LAKE"
resort - new hotel going up. MAIN
resting beach. Had lunch at

Tue 7/30: back to Hilton - MARICIO arrived.

Baggage lost. 4-6 PM session in chatters
Cobby describing STILL ETC. DINNER AT FAST FOOD

Wed 7/29-7/30 Thursday
Two turtles up - both Sandy Lake
4 AM one retained. ID 8179. (FIRST TRANSMITTER
The other let go. see p. 19. AT SANDY LAKE DEPLOYED ON GRASS.
PARAVANE USED.

4

Needs

- 1) Russell/Balazs ^{paper} TO LOTUS + DINO
- 2) Fleshy green - genus species = ^{ASK LOTUS} reaches
- 3) ARGOS Brochures to
- 4) Contract - discuss by phone ^{MAY TO JULIA} JULIA FP Sampling
- 5) Nancy T/Sherz priorities RPS
- 6) Diskette photos to Julia (others)
- 7) Make "Castros" (3" rolled w/ kevlar outside) for all transmitters to send,
- 8) Include data book w/ transmitters w/ PRINT photo INSIDE
- 9) Empty MEK peroxide container in plastic jar for safety
- 10) Group photos ^{in trans. box} etc. from TRIP.
- 11) Barbados photos to Rod Tennett
- 12) Message to Anders re: Hawkshill note
 Pam Zandy - cite pers. com. write sentence
 Jeanne - cite pers. com.
- 13) DNA Samples?
- 14) Nautical map - Barbados
- 15) Tel. Fedex # to Jim Richardson

7/30/98
2 PM Lecture at UNW, W. INDIES
Thursday Biology Dept.

Dinner at "39 Steps Restaurant" Excellent.

7/30-7/31 NO TURTLES retained. NO TRANS. Deployed.
Thurs. Fri

7/31 - LATE AM. - Lotus drove us to East shore
Friday "Round House" Restaurant.

"Flying Fish" plate
BATH BEACH Collected algae/seagrass samples and
pieces for diatoms/flagellate counts to
Jan Landsberg. collection made
with Kirsten. very warm
water near shore ~ 35°C.
Surfers see turtles near them. cooler
100m out
~ 28°C.

Meadows of ~~Thalassia~~ Thalassia
& ^{small} tubular = see Australia book

Thick Fleshy ^{green}

7/31-8/1/98 / Several turtles up
Friday Sat. at HILTON & Heron Bay (turtle nests
Deployed 8100 & HILTON got impacted
8207 Heron Bay By Boat
(waves here)

8/1/98 slept 9:30am - 1:30pm after working
throughout the night doing 2 deployments.

6

Saturday

8/1/98 Met w/ Jim Richardson (later Mario joined us) in Flambour (Hilton) lounge (Grabbed Salmon Sandwich) - discussed bekko, hawkbills, long to sexual maturity etc. Two "populations" of loggerheads, etc. Hypocrites, downplaying / upplaying what is best to support a "position".

Debriefing meeting at 7:15pm in Hilton lobby - everyone discussed how they felt about the training, etc. Zandy had left earlier ~~to home~~ from Herron Bay. Julia came later.

8/1/98

~9pm Turtle Hilton Beach, same lamp post light used to work it up. Released
11:30AM 8/2 Sunday.

Transferred to Lotus ① Sears Mototool w/ charges ^{INSTRUCTIONAL} manual
② ~2 dozen biopsy punches ③ Quackenbush report + Bty FP Abstract

8/2/98 Depart 1130am (late!) AIA 1700 to
Sunrise Miami. FL 823 AA to LA.

Overnight LA (PAID BY AA) at Embassy Suites
South. FL 53 UA to Honolulu

depart LA 830am, ARRIVE HONOLULU =

Monday

8/3/98

Midmorning

VERMEER

(for PIAO
"participation plan"
workshop

8968 MAIN WADING RD.

SIDNEY, BC

CANADA V8L1J7

8

Date: Wed, 10 Jun 1998 09:39:36 -1000 (HST)
From: Shawn Murakawa <smurakaw@honolab.nmfs.hawaii.edu>
To: "George H. Balazs" <gbalazs@honolab.nmfs.hawaii.edu>
Subject: Re: Dr. Landsberg

- 1) Collect around 30g algae (not too much salt water) in plastic bag
- 2) Pour water from bag into graduated cylinder
- 3) Add water to make 100ml
- 4) Take algae out and weigh 30g of algae
- 5) Pour 100ml water + 30g algae back into bag
- 6) Seal then shake bag 30 times
- 7) Decant 50ml of water into larger labeled plastic bottle then add 10ml of 10% buffered formalin, swirl
- 8) When ready, swirl bottle 15 times
- 9) Pipet ~~10-15~~ ml (couple ml from top of vial) water/formalin mixture into scintillation vials
- 10) Put parafilm on top of scintillation vials before sealing

Rinse measuring containers between each sample with salt water and be sure to change pipets with each sample. If you have any questions please feel free to email her at home.

Date: Mon, 26 Jan 1998 09:32:38 -1000 (HST)
From: Denise Ellis <dellis@honlab.nmfs.hawaii.edu>
To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Re: Approx. lat and long

All Lats and Longs are the midpoint of the Islands.

- 1) Barbados: 13° 10' N 59° 32' W
 - 2) Antigua: 17° 3' N 61° 48' W
 - 3) Cuba: 21° 3' N 80° 0' N (most western large island in that 3 island chain you are thinking about??)
- <<The other 2 islands in that chain are Haiti (19° N, 72° 25' W) and Puerto Rico (18° 15' N, 66° 30' W)>>
4) Yucatan, Mexico (mid peninsula): 19° 30' N 89° 0' W

On Thu, 22 Jan 1998, George H. Balazs wrote:

- > I need them for 1) Barbados, 2) Antigua and 3) Cuba (three islands in the Caribbean) and 4) Yucatan, Mexico. To the nearest degree will be fine.
- > Mahalo, Geo.

> By early next week would be fine.

> *****

Date: Mon, 26 Jan 1998 14:05:08 -0400
From: Lotus Arrieta Vermeer <lotus@sunbeach.net>
To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Re: Latitude and Longitude of Barbados

Hi George,

Here are the coordinates for Hilton-Drill Hall Beach, our most important nesting beach in Barbados: (longitude, latitude) from (130° 04' 22" N, 59° 36' 13" W) to (130° 04' 31" N, 59° 36' 47" W).

Let me know if this is of use!

Cheers,

Lotus

Aug 1-10, 98

Date: 7/24/98
Sender: Barbara Schroeder
To: brenda@telonics.com
cc: George Balazs
Priority: Normal
Subject: Shipment of Transmitters to Balazs

See
p. 197

ST14's

9 hours on, 3 hours off

Brenda, here is how the transmitters should be boxed for shipment to George:

PTT Numbers: 08178, 08209, 08348, 08349
Deployment Site: Mona Island, Puerto Rico

PTT Numbers: 08350, 08364, 08365, 08366
Deployment Site: Yucatan Peninsula, Mexico

PTT Numbers: 08442, 08443, 08444, 08454
Deployment Site: Jamaica

PTT Numbers: 08455, 08456, 08552, 08553
Deployment Site: Antigua

Barbados =
8179
8180
8207
8208

Buck Island

George, I've left the list showing Jamaica for packing purposes, and we'll just see how that falls out.

Thanks, Barbara

SATELLITE PREDICTIONS - 1-10 Sept. 98

MAGNET OFF TIMES (TRANSMITTER "ON" TIMES)

YUCATAN (19°N, 90°W) GMT 0730 OR 1930 h

JAMAICA (18°15'N, 77°30'W) GMT 0630 OR 1830 h

Puerto Rico (18°15'N, 66°30'W) GMT 0530 OR 1730 h

USVI (18°N, 64°40'W) GMT 0530 OR 1730 h

ANTIGUA (17°N, 62°W) GMT 0530 OR 1730 h

BARBADOS (15°N, 59°W) GMT 0530 OR 1730 h

Feder to
Jan Landsberg
8/17/98

at Univ. West Indies

31 July 98 Friday

G. BAWANS
LOTUS VERMEER

algae collection site - Bath Beach,

Barbados
East coast

13° 11.064' N 059° 28.327' W



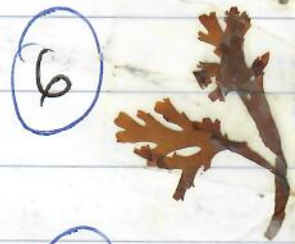
Padina



+ Thallasia



As per Lotus
~~AVERRILLIA~~
~~NIGRICANS~~
~~or A. FAWCETTII~~



Thalassia



TRANSMITTAL SHEET



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Southwest Fisheries Center Honolulu Laboratory
2570 Dole St. • Honolulu, Hawaii 96822-2396

Commercial: (808) 943-1221
Telefax: (808) 943-1290

AVERAGE DIVE TIME IN 12 HOURS
X NUMBER OF DIVES IN 12 HOURS = 720 MIN.
X MIN. ÷ 60 = 12 HOURS



TELETYPE FOR: Col Limpus
FROM: George Balazs

DATE: 12 MARCH 97
TELEPHONE EXT: (808) 943-1240

NUMBER OF SHEETS TRANSMITTED (including this page) ONE

COL - GOOD TO SEE YOU, GISA & JAMES AT THE SYMPOSIUM. MESSAGE BUT NOT ENOUGH TIME TO TALK MORE. HERE IS REST OF INFORMATION FOR YOUR SATELLITE TRACKING. I PRESUME YOU ARE NOW SUBSCRIBING TO "AUXILIARY LOCATION PLUS" SERVICE, NOT TX. YOUR DATA SHOULD NOW LOOK LIKE BELOW. See explanations. I am assuming your ST-14s were built like mine with a 12 HOUR DIVE COUNT PERIOD. AND NOT 6 HOURS OR SOME OTHER INTERVAL. JUST CALL ME IF YOU NEED MORE HELP!

NUMBER OF DIVES OVER THE LAST 12 HOURS (ie 93 dives)

TWO LATs, TWO LONGs. ONE WILL BE BOGUS. YOU MUST DECIDE WHICH IS CORRECT. USUALLY IT IS LAT1 LONG

Transmitter ID Code: 25691 Date: 26.02.97 11:37:19 LC: B IQ: 00
Lat1: 24.897N Lon1: 80.824W Lat2: 21.178N Lon2: 63.292W
Nb mes: 002 Nb mes > -120dB: 000 Best level: -128 dB
Pass duration: 046s NOPC: 1
Calcul freq: 401 650616.4 Hz Altitude: 0 m
171 698 220 93
00 00

AVERAGE DIVE TIME OVER THE LAST 12 HOURS = THIS VALUE X 2 SECONDS = 440 SECONDS ÷ 60 = 7.3 MINUTES

25691 Date: 26.02.97 13:18:54 LC: Z IQ: 00
Lat1: ??????? Lon1: ??????? Lat2: ??????? Lon2: ???????
Nb mes: 001 Nb mes > -120dB: 000 Best level: -133 dB
Pass duration: ? s NOPC: ?
Calcul freq: 401 650000.0 Hz Altitude: 0 m
171 452 220 93
00 00

DURATION LAST DIVE = 2 seconds x this value = 904 seconds ÷ 60 = 15.1 MINUTES.

This value x 256 (CONSTANT FOR ST14) = 43776 then fit this to the UNIQUE TEMP CURVE that comes with each ST14.

NOTE: TEMPERATURES ARE NOT VERY ACCURATE UNLESS YOU HAVE DONE SOME TESTING YOURSELF BEFOREHAND AGAINST KNOWN STANDARDS.



FAILSAFE "IF NUMBERS SHOW CONSISTENTLY (15" I THINK) THAT SATELLITE CONTRACTS HAVE BEEN SUBMITTED (AS WITH FOULING). THE "FAILSAFE" OVERRIDES IF THE CONTRACTS HAVEN'T OPENED IN 24 HOURS. ALLOWS TO BE TRANSMITTED.

FOR ST14 FIT VALUE DIRECTLY TO UNIQUE CURVE FOR EACH TRANSMITTER

Lecture overheads at Univ. West Indies 13
 7/30/98 2pm
 Thursday
 Biology Department

Barbados
 Fisheries
 8/11/98

Name	Affiliation	E-mail
Deanne Wallace	CZMU	coastalstaff@coastal.gov.bb
Chris Parker	Fisheries Division	FISHOFF@CARIBSURF.COM
Patrick McConney	CHIEF OFFICER	" fishbarbados@caribsurf.com
STEPHEN WILLOUGHBY	"	" FISHOFF@CARIBSURF.COM
Angelique Brathwaite	(Coastal Zone Management Unit) CZMU	(246-427-8480 - PHONE) abrathwaite@coastal.gov.bb

ID # 8179

BARBADOS SEA TURTLE RESEARCH

PLEASE DO NOT KILL ME!

IF FOUND, PLEASE CONTACT:

ZELLARS RESEARCH INST.

246-422-2087

card on
 turtles' TRANSMITTERS
 sealed under
 cloth & resin.

Barry Kruger
 Lotus - 230-0142

" "Tremendous opportunity" "

" Tremendous experience " "

Jim - "More confidence" "

14

Date: Wed, 12 Feb 1997 21:28:29 GMT
From: userland@argosinc.com
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: Re: Australia Argos data output

Hi George,

I'm sorry that your colleague is having no luck with the Australia office. I have the explanation for you.

First of all, you're right, the format on the fax is much different than what you are used to seeing. It shows the TX format. The formats you receive through ADS are the DS and DIAG. I have included examples of all three formats here, and will try to explain the differences so you may help your friend to receive the data he needs.

The TX format only provides one result, presumably the best, from each satellite pass. Normally, it will report the result which obtained the most identical messages. However, if the number of identical messages is the same, it chooses the second to last result. You may see, below, that the TX format chose the second to last result from your DS data. The location is shown differently in TX format as well. Also, the date and time are different. TX format shows last transmission date/time-last location date/time. It uses the julian day; day 42 = 1997-02-11. If the location is not updated on the next satellite pass, the previous location is reported again. You can see in the example that platform 24181 updated location at 18:49z on the 11th. Even though it transmitted today at 18:26, the location was not updated, so it still shows yesterday's location with yesterday's date/time (042/1849). Sometimes the date format of the TX format can be a bit confusing. Again it shows jdl/t1-jd2/t2, where jdl = julian day of last data collection, t1 = time of last data collection, jd2 = julian day of last location, t2 = time of last location. So really, when you ask "why are there so many places with the exact same lat long given for different times?", it's not really for different times because the location has not updated, so it reports the previous location with the same location date and time. If your friend will be using the TX format, he must understand clearly the use of the time/date fields.

24181	29.020N	170.403W	0	042/1854Z-042/1849
(1)	52859		52859	
24181	29.020N	170.403W	0	043/1826Z-042/1849
(1)	58259		58259	

The question marks showing on your friend's data in the date/time field mean that there has been no location calculated at all. Where you see 037/0245Z- ???/???? means that there was a data collection at 02:45z on day 37 but there was no location calculated. It could not find a previous location (maybe it was just deployed), so it puts ???/?????. This also causes a 0 in the LC field; it does not mean that there was a class 0 location (only in this case).

Following are the two formats that you receive through ADS. As you can see in the DS format (directly below), all results from the satellite pass are shown. In the DS format, if there was no location calculated, it leaves that part of the first line out. I'm sure you can recall seeing a report where the first line of the report only showed the program number, platform number, number of lines, number of sensors, and satellite without reporting all the location info. This is much easier to decipher, as you know right away that there was no location

calculated.

01092 24181 6 2 D 0 1997-02-11 18:49:58 29.020 189.597 0.000 401650439
 1997-02-11 18:44:39 1 52848 52848
 1997-02-11 18:47:49 1 52853 52853
 1997-02-11 18:50:43 1 52858 52858
 1997-02-11 18:54:17 1 52859 52859
 1997-02-11 18:55:18 1 52863 52863

And of course, there's the DIAG format. It shows you two locations, then it is up to you to decide which one is valid. Plus it shows you other info about your transmitter that are not shown in any of the other formats.

24181 Date : 11.02.97 18:49:58 LC : 0 IQ : 40
 Lat1 : 29.020N Lon1 : 170.403W Lat2 : 32.230N Lon2 : 173.991E
 Nb mes : 005 Nb mes>-120dB : 000 Best level : -127 dB
 Pass duration : 639s NOPC : 3
 Calcul freq : 401 650438.6 Hz Altitude : 0 m
 52859 52859

Your friend's platforms are set up for auxiliary location processing, which will allow him to receive the DIAG format. He should take advantage of this data. In fact, I would suggest that he not even bother with the TX format. If he is not familiar with the different commands to access the different formats, he can type HELP at the Argos prompt (I assume that he is logging into the system directly). He should be accessing the DS and DIAG formats.

I hope I have answered all of your questions. If you have more questions, please let me know. I would be happy to help you and your colleague.

BUCK ISLAND, USVI
Zandy Collins

08444 Date : 05.09.98 07:01:32 LC : 3 IQ : 60
 Lat1 : 17.786N Lon1 : 64.630W
 176 00 32 00
 00 00

08444 Date : 09.09.98 06:16:31 LC : 3 IQ : 60
 Lat1 : 17.790N Lon1 : 64.628W
 176 00 00 32
 00 02

08444 Date : 10.09.98 07:46:16 LC : 3 IQ : 60
 Lat1 : 17.784N Lon1 : 64.622W
 176 00 00 00
 00 00

08454 Date : 04.09.98 07:11:47 LC : 3 IQ : 66
 Lat1 : 17.787N Lon1 : 64.629W Lat2 : 16.674N Lon2 : 59.745W
 163 00 00 00
 00 00

08454 Date : 08.09.98 08:08:18 LC : 3 IQ : 68
 Lat1 : 17.785N Lon1 : 64.625W
 158 00 00 00
 00 00

08454 Date : 11.09.98 07:34:54 LC : 3 IQ : 66
 Lat1 : 17.785N Lon1 : 64.622W
 164 00 02 00
 00 00

16

Date: Thu, 27 Mar 1997 17:46:48 GMT
From: dshaw@argosinc.com
To: gbalazs@honlab.nmfs.hawaii.edu
Subject: DS data

Hi George,

I will take the first two passes you received for this example. This is the Dispose data (DS). The location, if there was one for that pass, is always shown in the first line of data. Below, I will explain what each of the field represents.

01092/19580/7/2/J/1/1997-03-26/13:21:30/30.203/187.885/0.000/401649672/
1997-03-26 13:17:11 1 2805 2805
1997-03-26 13:21:21 2 2806 2806
1997-03-26 13:22:32 1 2807 2807
1997-03-26 13:23:35 1 2808 2808
1997-03-26 13:24:25 1 2809 2809
1997-03-26 13:25:48 1 2810 2810

Line 1:

01092 = program number
19580 = platform number (turtle number)
7 = number of lines (shown in this message).
2 = number of sensors defined in our system
J = satellite identifier
1 = location class
1997-03-26 = day of location
13:21:30 = time of location
30.203 = latitude (this would be North)
187.885 = longitude (this would be West)
0.000 = defined altitude
401649672 = calculated frequency

Line 2-7 = data collection information (day of data collection, time of data collection, number of identical messages received, then the sensors data values)

01092 19580 2 2 D
1997-03-26 19:44:20 1 4197 4193

The second pass shown here did not report a location, so the 1st line only shows: program number, platform number, number of lines, number of sensors defined, and satellite identifier. The second line shows the data collection information (same as above).

I hope this helps you to interpret the DS data you receive. I am still trying to send you our company profile. However, I cannot reach the server to print it right now. Maybe I will try later this afternoon. Please let me know if you have any questions.

Best regards,
Debbie

Thu, 27 Mar 1997 18:14:43 GMT
.: dshaw@argosinc.com
: gbalazs@honlab.nmfs.hawaii.edu
ubject: longitude

Hi George,

In my last message, I said that 187.885 was a West longitude. Well, I forgot to tell you that you need to subtract it from 360 to get the West value. For example, $360 - 187.885 = 172.115$ West. Got it? Anything under 180 is East, anything over 180, you need to subtract it from 360. Okay, and for the latitude, positive values are North and negative values are South. Sorry for the confusion.

Best regards,
Debbie

17

Date: Wed, 02 Dec 1998 21:11:32 -0400
From: Lotus Arrieta Vermeer <lotus@sunbeach.net>
To: Barbara.Schroeder@noaa.gov, gbalazs@honlab.nmfs.hawaii.edu,
jahorrocks@sunbeach.net, bellairs@sunbeach.net, rvandam@compuserve.com,
mgarduno@minter.cieamer.conacyt.mx, cediez@caribe.net,
CHRI Interpretation@nps.gov, rhemaker@arches.uga.edu,
Michelle.Rogers@noaa.gov, rainforestry@earthlink.net,
dendrobates@hotmail.com
Subject: Satellite update from Barbados

Greetings All!

Here is a brief and long overdue update of what the satellite females have been up to since you last saw them in Barbados...

① The first female to receive a transmitter was "Julie", tagged by Barbara and George on Sandy Lane beach on the west coast of Barbados. This turned out to be her last nest for the season, and she left Barbados 2 days after her release on July 30. Julie swam eastward off Barbados, eventually resuming a north to north-westerly movement towards Guadeloupe. After swimming for 9 days and covering a distance of 430 km, Julie moved into the nearshore waters off the north east coast of Guadeloupe, off Ile de la Desirade. Over a period of 3 days, she travelled in a southerly direction through Guadeloupe waters, staying close to the coast off Iles de Pit. Terre and Marie Galante, before eventually taking up her foraging habitat residence off the north east coast of Dominica, having travelled a total distance of 564 km.

② The next female to leave Barbados was "Drew". Drew was satellite tagged on August 1 at Heron Bay (2 km north of Sandy Lane) by Jim, Zandy, Kirsten and Mauricio. She nested 2 more times before leaving on August 29. Drew travelled south-west towards Venezuela, changed her course abruptly as she neared the Peninsula de Paria, and headed for the north east coast of Trinidad where she took up residence off Galera Point. Her journey lasted 12 days, and she covered a distance of approximately 465 km.

"Chippie" left Barbados a day after Drew. She was the last female to receive a transmitter, and was satellite tagged at the Hilton on August 2. As with Drew, Chippie nested on 2 more occasions before leaving Barbados. Over a 12 day period, she swam westward towards the Grenadines, making her way through this chain of islands en route to her eventual destination of Cumberland Bank off Venezuela (approximately 440 km from Barbados).

④ After 4 nesting events following satellite deployment at the Hilton on July 31 (satellite deployed by Robert, Julie and Lotus), "Lotus" finally left Barbados on September 30. She followed the same route taken by Chippie, moving westward towards the Grenadines, swimming past the islands of Mustique, Canouan, the Tobago Cays, and ending up on the windward coast of Carriacou (approximately 200 km from Barbados). Similar to the other 3 females, Lotus reached her destination after an approximate journey duration of 12 days.

That is it from Barbados. If any of you are interested in any further information, please feel free to contact Julie or myself.

Date: Fri, 28 May 1999 17:09:38 -0400
 From: Robert van Dam <rvandam@compuserve.com>
 To: Mauricio Garduno Andrade <mgarduno@minter.cieamer.conacyt.mx>,
 "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>,
 "Carlos E. Diez" <cediez@caribe.net>,
 "Zandy M. Hillis-Starr" <CHRI_ Interpretation@nps.gov>,
 "Dr. Julia A. Horrocks" <jahorrocks@sunbeach.net>,
 Rhema <rhemaker@uga.cc.uga.edu>,
 Jim Richardson <rainforestry@earthlink.net>,
 Michelle Rogers <Michelle.Rogers@noaa.gov>,
 Barbara Schroeder <Barbara.Schroeder@noaa.gov>,
 Lotus Arrieta Vermeer <lotus@sunbeach.net>
 Subject: Mona hawksbill tracking update

[The following text is in the "ISO-8859-1" character set]
 [Your display is set for the "US-ASCII" character set]
 [Some characters may be displayed incorrectly]

Hello everyone,

We've been quiet for a couple of months now, but as we pass the six-month point for our Mona turtle trackings, a brief update is in order.

We are delighted to continue to receive daily transmissions from all four turtles, although transmission quality varies by individual and overall seems to be eroding a bit. The animals have not moved much since our last report and are still located off St. Barts, Miskito Cays, Rosalind Bank, and Caicos Bank, respectively. Water depths in these habitats appear to range from 15 to 40 meters. The diving behavior telemetry data continue to be relatively consistent (with some strange numbers cropping up every now and then, no doubt artifacts).

Currently we are gearing up to resume our in-water turtle surveys around Mona and Monito in July. It will be interesting to see what effects hurricane Georges may have had on "our" turtles. Also, we'll be monitoring nesting activity again on Mona and hope to see a continuation of the upward trend of the last few years. In addition we'll be replacing the fencing along the principal Mona nesting beaches that prevent the feral pigs from getting at both turtle and iguana nests. It promises to be a very busy summer.

Is everyone aware of the latest "hawksbill special issue" of the journal Chelonian Conservation and Biology?

Best wishes, Robert
 La Jolla, 28-MAY-99

gbalazs@honlab.nmfs.hawaii.edu
 subject: longitude

I forgot to tell you that you need to subtract it from 360 to get the west value. For example, 360 - 187.885 = 172.115 West. Anything under 180 is East. Anything over 180, you need to subtract it from 180. Okay, and for the latitude, positive values are north and negative values are south. Sorry for the confusion.

GPS = Sandy Lane

NAME = JULIA

13°10.335 N

System NO. = 403689A

7/30/98 AM

59°38'270W

ID 8179

Thursday

TAGGED THIS Season

ECL = 90cm

TØ 349 RIS

INCON #681

TØ 350 LIS

BOX Loter Box w/ 2x4" corners.

IDEAL = 70 cm X 110 cm 25 per Jim Richardson

Abnormal Central Site count - 8 out there.

R
MID
NIGHT

Reported turtle Sandy Lane that had nested. Second turtle - 4 AM, Sandy Lane

only second one kept. Rain shortly

WIND
PARAVANE

after sunrise, used the second turtle - in box to gross

used PARAVANE ^{AWPINE} due to rain,

Sard washing/sarding at 6:15 AM.

Resewed transmitter w/ cigar.

Released at 9 AM 7/30/98 ^{BLEB TOOS TIME}

sprinkler on grass came on - we put a bucket over it.

Bore delayed to 4:00 by 2:00 this re.

ID 11362 "Moon"
① LC ① 18.708 64.474
10/11/97

8/19/97

Deployed by ZI
3 PM
2nd
deployed by
5 TOTAL
Plotkin

Zandy

② ID 11362
"Miss Jolly" 9/28/97 CAT Long.
LC 2 on 4/4/98 18.165 N 63.014 W
- Leo 6/3 18.137 63.052
LC 0 8/8 18.148 62.94

ID 19573

③ "Maggie" 9/29/97

all Z's

12/8/97
Z = 17.61 70.62

④ ID 19576
"Mimi"

9/13/97

⑤ ID LC Z 16.228 65.193 10/6/97

9574^M
"MARGIE"

8/25/97 LC 17.981 64.037

4/22/98 17.746, 63.589 LC 0's

↑
7/31/98
Friday

SABA

~~Twitter/news there by
Dive Hour operators.~~

Above data relayed to BT & GB
by Zandy Hillis re: Pam Plotkin STG
AT Buck IS. USVI

22

1870

1870

1870

"Good"



202

by Sandy Hillis re: AT Duck IS. 02 VI
 Above date related to 1870 & 1870

Date: Fri, 7 Aug 1998 07:11:13 -1000 (HST)
From: Denise Ellis <dellis@honlab.nmfs.hawaii.edu>
To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Speed of Barbados turtle

FYI - I calculated traveling speed for 8179 and it was averaging 1.3 nmi/hr or 2.4 km/hr..

186 3220 1756 12
00 00

08 79 Date : 01.08.98 10:02:01 LC : 8 10 : 00
Lat1 : 14.075N Lon1 : 17.835W Lat2 : 21.360N Lon2 : 51.263W

186 56 1756 12
00 00

08 79 Date : 01.08.98 10:55:45 LC : 8 10 : 00
Lat1 : 24.526N Lon1 : 101.539W Lat2 : 21.802N Lon2 : 41.074W

188 52 1756 12
00 00

08 79 Date : 01.08.98 11:33:46 LC : 8 10 : 00
Lat1 : 13.898N Lon1 : 89.485W Lat2 : 21.214W

190 49 1756 12
00 00

Date: Fri, 7 Aug 1998 07:11:13 -1000 (HST)
From: Denise Ellis <dellis@honlab.nmfs.hawaii.edu>
To: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Speed of Barbados turtle

FYI - I calculated traveling speed for 8179 and it was averaging 1.3 nmi/hr or 2.4 km/hr..

185 3220 1756 12

00 00

08179 Date : 01.08.98 10:02:01 LC : 8 10 : 10

Lat1 : 14.075N Lon1 : 171.735W Lat2 : 21.360N Lon2 : 51.263W

186 56 1756 12

00 00

08179 Date : 01.08.98 10:55:45 LC : 8 10 : 00

Lat1 : 24.526N Lon1 : 101.535W Lat2 : 11.802N Lon2 : 41.074W

188 52 1756 12

00 00

08179 Date : 01.08.98 11:38:46 LC : 8 10 : 50

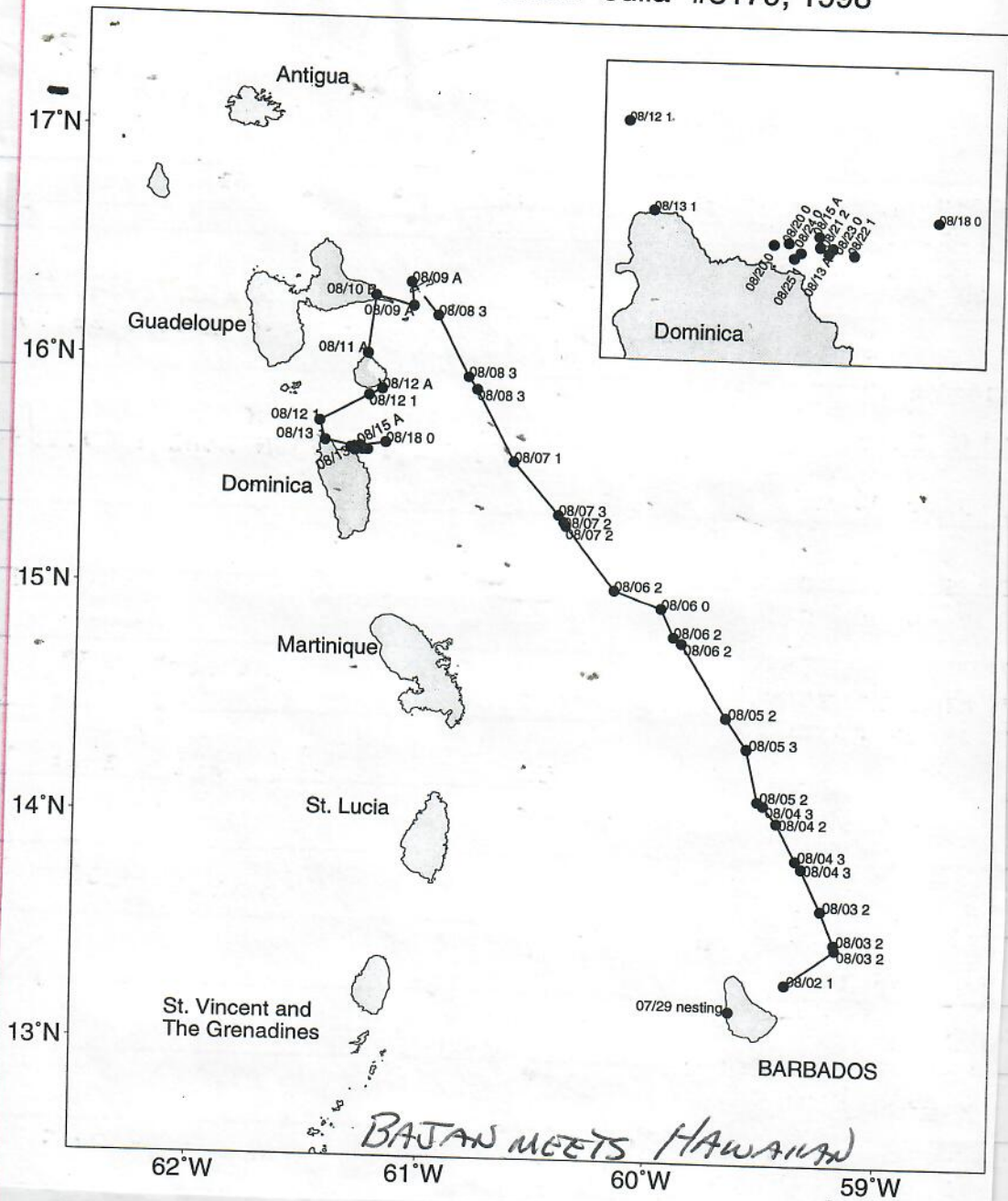
Lat1 : 13.898N Lon1 : 82.485W Lat2 : 11.775W Lon2 : 43.214W

190 49 1756 12

00 00

24

Barbados Hawksbill "Julia" #8179, 1998



BAJAN MEETS HAWAIIAN

GPS Nesting location =
13°10.335'N
59°38.270'W

08179 Date : 29.07.98 05:40:57 LC : Z IQ : 61
Lat1 : 13.081N Lon1 : 59.611W Lat2 : 4.690N Lon2 : 23.427W
182 00 00 00
00 00

08179 Date : 29.07.98 08:47:17 LC : Z IQ : 10 *Neither*
Lat1 : 15.943N Lon1 : 40.308W Lat2 : 15.149N Lon2 : 36.659W
180 00 00 00
00 00

08179 Date : 30.07.98 10:01:20 LC : B IQ : 00
Lat1 : 15.305N Lon1 : 80.860W Lat2 : 5.706N Lon2 : 37.193W
180 00 00 00
00 00

08179 Date : 30.07.98 10:01:20 LC : B IQ : 00
Lat1 : 15.305N Lon1 : 80.860W Lat2 : 5.706N Lon2 : 37.193W
180 00 00 00
00 00

08179 Date : 30.07.98 13:55:38 LC : B IQ : 00
Lat1 : 27.766N Lon1 : 90.151W Lat2 : 21.004N Lon2 : 59.346W
194 622 00 00
00 00

08179 Date : 30.07.98 21:05:32 LC : Z IQ : 10
Lat1 : 6.590N Lon1 : 85.041W Lat2 : 21.614N Lon2 : 12.578W
188 06 204 36
00 00

08179 Date : 31.07.98 23:16:17 LC : Z IQ : 10
Lat1 : 15.225N Lon1 : 44.702W Lat2 : 16.709N Lon2 : 38.457W
184 2596 1000 21
00 00

08179 Date : 01.08.98 00:52:12 LC : B IQ : 00
Lat1 : 3.901N Lon1 : 88.972W Lat2 : 7.726N Lon2 : 72.484W
184 2837 1000 21
00 00

08179 Date : 01.08.98 09:15:19 LC : Z IQ : 10
Lat1 : 0.846N Lon1 : 12.858W Lat2 : 15.980N Lon2 : 82.701W
186 3220 1756 12
00 00

08179 Date : 01.08.98 10:02:01 LC : Z IQ : 10
Lat1 : 14.075N Lon1 : 17.635W Lat2 : 21.360N Lon2 : 51.263W
186 56 1756 12
00 00

08179 Date : 01.08.98 10:55:45 LC : B IQ : 00
Lat1 : 24.526N Lon1 : 101.539W Lat2 : 11.802N Lon2 : 41.074W
188 52 1756 12
00 00

08179 Date : 01.08.98 11:38:46 LC : B IQ : 00
Lat1 : 13.898N Lon1 : 89.485W Lat2 : 1.245N Lon2 : 33.214W
190 49 1756 12
00 00

26

NAME

08179 Date : 01.08.98 11:50:53 LC : Z IQ : 30
Lat1 : 11.621N Lon1 : 22.708W Lat2 : 21.656N Lon2 :
190 59 1756 12
00 00

08179 Date : 02.08.98 13:17:26 LC : Z IQ : 10
Lat1 : 22.982N Lon1 : 79.799W Lat2 : 16.947N Lon2 : 52.77
187 12 464 45
00 01

THIS

08179 Date : 02.08.98 17:47:15 LC : Z IQ : 30
Lat1 : 5.966N Lon1 : 62.922W Lat2 : 13.838N Lon2 : 28.77
196 39 114 182
00 00

08179 Date : 02.08.98 19:25:33 LC : Z IQ : 51
Lat1 : 13.260N Lon1 : 59.371W Lat2 : 7.591N Lon2 : 83.8
194 45 114 182
00 00

08179 Date : 02.08.98 20:03:39 LC : B IQ : 00
Lat1 : 3.793N Lon1 : 54.015W Lat2 : 13.439N Lon2 : 9.589W
193 49 114 182
00 01

FINALLY

08179 Date : 02.08.98 21:45:55 LC : 1 IQ : 60
Lat1 : 13.296N Lon1 : 59.397W Lat2 : 13.936N Lon2 : 56.68
190 50 114 182
00 00

08179 Date : 02.08.98 22:23:07 LC : 0 IQ : 66
Lat1 : 13.324N Lon1 : 59.417W Lat2 : 18.970N Lon2 : 33.75
189 16 114 182
00 01

08179 Date : 02.08.98 22:47:34 LC : 0 IQ : 68
Lat1 : 13.364N Lon1 : 59.333W Lat2 : 23.989N Lon2 : 12.22
188 10 114 182
00 01

THIS ONE

08179 Date : 03.08.98 00:35:06 LC : Z IQ : 10
Lat1 : 12.244N Lon1 : 62.011W Lat2 : 13.424N Lon2 : 58.42
187 18 114 182
00 00

08179 Date : 03.08.98 06:25:01 LC : 1 IQ : 58
Lat1 : 13.399N Lon1 : 59.224W Lat2 : 10.110N Lon2 : 45.12
186 54 66 312
00 00

08179 Date : 03.08.98 08:05:11 LC : A IQ : 08
Lat1 : 13.428N Lon1 : 59.221W Lat2 : 21.261N Lon2 : 93.42
185 1163 66 312
00 00

08179 Date : 03.08.98 10:13:00 LC : 1 IQ : 58
Lat1 : 13.445N Lon1 : 59.189W Lat2 : 14.549N Lon2 : 64.11
188 41 66 312
00 00

08179 Date : 03.08.98 10:57:34 LC : 2 IQ : 58
Lat1 : 13.456N Lon1 : 59.181W Lat2 : 0.354N Lon2 : 0.283E
189 2306 43240 15396
02 51

08179 Date : 03.08.98 11:26:19 LC : 1 IQ : 56
Lat1 : 13.461N Lon1 : 59.176W Lat2 : 4.614N Lon2 : 21.347W
190 35 66 312
00 00

08179 Date : 03.08.98 12:38:31 LC : 1 IQ : 58
Lat1 : 13.477N Lon1 : 59.190W Lat2 : 20.059N Lon2 : 88.948W
192 43 66 312
00 00

08179 Date : 03.08.98 13:07:04 LC : 2 IQ : 67
Lat1 : 13.480N Lon1 : 59.185W Lat2 : 15.814N Lon2 : 69.559W
193 44 66 312
00 00

08179 Date : 03.08.98 17:39:12 LC : A IQ : 08
Lat1 : 13.545N Lon1 : 59.220W Lat2 : 20.259N Lon2 : 30.415W
195 48 54 383
00 00

08179 Date : 03.08.98 19:18:02 LC : 1 IQ : 57
Lat1 : 13.577N Lon1 : 59.224W Lat2 : 0.430N Lon2 : 0.190W
194 47 54 383
00 00

08179 Date : 03.08.98 21:26:25 LC : A IQ : 07
Lat1 : 13.649N Lon1 : 59.207W Lat2 : 16.496N Lon2 : 46.130W
190 26 54 383
01 02

08179 Date : 03.08.98 22:06:01 LC : 2 IQ : 67
Lat1 : 13.627N Lon1 : 59.246W Lat2 : 21.607N Lon2 : 23.525W
190 4122 54 16762
00 00

08179 Date : 04.08.98 09:52:58 LC : 0 IQ : 50
Lat1 : 13.786N Lon1 : 59.313W Lat2 : 12.457N Lon2 : 53.137W
188 43 81 253
00 00

08179 Date : 04.08.98 10:35:23 LC : 3 IQ : 68
Lat1 : 13.808N Lon1 : 59.333W Lat2 : 7.175N Lon2 : 30.015W
188 42 81 253
00 00

08179 Date : 04.08.98 11:12:11 LC : B IQ : 00
Lat1 : 13.826N Lon1 : 59.341W Lat2 : 3.734N Lon2 : 14.708W
188 43 81 253
00 01

08179 Date : 04.08.98 09:52:58 LC : 0 IQ : 50
Lat1 : 13.786N Lon1 : 59.313W Lat2 : 12.457N Lon2 : 53.137W
188 43 81 253
00 00

08179 Date : 04.08.98 10:35:23 LC : 3 IQ : 68
Lat1 : 13.808N Lon1 : 59.333W Lat2 : 7.175N Lon2 : 30.015W
188 42 81 253
00 00

08179 Date : 04.08.98 11:12:11 LC : B IQ : 00
Lat1 : 13.826N Lon1 : 59.341W Lat2 : 3.734N Lon2 : 14.708W
188 43 81 253
00 01

Lat1 : 14.855N Lon1 : 59.313W
195 39 76 270

28

08179 Date : 04.08.98 12:13:49 LC : 3 IQ : 68

Lat1 : 13.843N Lon1 : 59.359W Lat2 : 0.507N Lon2 : 0.37

189 33 81 253

00 00

08179 Date : 04.08.98 12:54:07 LC : 2 IQ : 68

Lat1 : 13.856N Lon1 : 59.367W Lat2 : 14.755N Lon2 : 63.255W

190 26 81 253

00 00

08179 Date : 04.08.98 17:26:08 LC : A IQ : 08

Lat1 : 13.977N Lon1 : 59.442W Lat2 : 21.833N Lon2 : 25.085W

191 66 52 397

00 00

08179 Date : 04.08.98 19:05:44 LC : 2 IQ : 58

Lat1 : 14.007N Lon1 : 59.444W Lat2 : 10.758N Lon2 : 73.415W

190 35 52 397

00 00

08179 Date : 04.08.98 20:58:19 LC : 1 IQ : 58

Lat1 : 14.047N Lon1 : 59.485W Lat2 : 0.513N Lon2 : 0.245W

189 70 52 397

00 00

08179 Date : 04.08.98 22:39:24 LC : 3 IQ : 68

Lat1 : 14.083N Lon1 : 59.503W Lat2 : 8.610N Lon2 : 83.993W

188 104 52 397

00 01

08179 Date : 04.08.98 23:21:23 LC : B IQ : 00

Lat1 : 14.088N Lon1 : 59.499W Lat2 : 13.776N Lon2 : 60.905W

188 16 52 397

00 00

08179 Date : 05.08.98 00:03:03 LC : 2 IQ : 58

Lat1 : 14.100N Lon1 : 59.528W Lat2 : 16.617N Lon2 : 48.524W

188 05 52 397

00 02

08179 Date : 05.08.98 10:13:40 LC : A IQ : 00

Lat1 : 14.305N Lon1 : 59.555W Lat2 : 5.151N Lon2 : 19.026W

188 52 67 302

00 01

08179 Date : 05.08.98 11:00:06 LC : B IQ : 00

Lat1 : 14.291N Lon1 : 59.556W Lat2 : 2.806N Lon2 : 8.271W

189 43 99 302

00 00

08179 Date : 05.08.98 11:12:07 LC : 1 IQ : 58

Lat1 : 14.312N Lon1 : 59.576W Lat2 : 20.975N Lon2 : 90.295W

189 33 67 302

00 00

08179 Date : 05.08.98 11:53:37 LC : 3 IQ : 68

Lat1 : 14.330N Lon1 : 59.580W Lat2 : 0.624N Lon2 : 0.132W

190 33 67 302

00 00

08179 Date : 05.08.98 10:13:40 LC : A IQ : 00

Lat1 : 14.305N Lon1 : 59.555W Lat2 : 5.151N Lon2 : 19.026W

188 52 67 302

00 01

29

08179 Date : 05.08.98 11:00:06 LC : B IQ : 00
Lat1 : 14.291N Lon1 : 59.556W Lat2 : 2.806N Lon2 : 8.271W
189 43 99 302
00 00

08179 Date : 05.08.98 11:12:07 LC : 1 IQ : 58
Lat1 : 14.312N Lon1 : 59.576W Lat2 : 20.975N Lon2 : 90.295W
189 33 67 302
00 00

08179 Date : 05.08.98 11:53:37 LC : 3 IQ : 68
Lat1 : 14.330N Lon1 : 59.580W Lat2 : 0.624N Lon2 : 0.132W
190 33 67 302
00 00

08179 Date : 05.08.98 12:38:43 LC : 1 IQ : 58
Lat1 : 14.350N Lon1 : 59.586W Lat2 : 13.686N Lon2 : 56.790W
191 24 67 302
00 00

08179 Date : 05.08.98 14:18:13 LC : Z IQ : 10 *This one*
Lat1 : 24.641N Lon1 : 104.302W Lat2 : 14.469N Lon2 : 59.427W
199 32961 67 302
00 00

08179 Date : 05.08.98 18:54:01 LC : 2 IQ : 58
Lat1 : 14.464N Lon1 : 59.672W Lat2 : 12.520N Lon2 : 68.055W
194 54 54 346
00 00

08179 Date : 05.08.98 22:22:17 LC : A IQ : 08
Lat1 : 14.545N Lon1 : 59.744W Lat2 : 11.618N Lon2 : 73.075W
189 76 54 346
00 00

08179 Date : 05.08.98 23:57:11 LC : A IQ : 08
Lat1 : 14.565N Lon1 : 59.796W Lat2 : 18.615N Lon2 : 42.188W
188 34 54 346
00 00

08179 Date : 06.08.98 00:38:47 LC : B IQ : 00
Lat1 : 14.655N Lon1 : 59.897W Lat2 : 6.229N Lon2 : 98.224W
188 26 54 346
00 00

08179 Date : 06.08.98 10:49:12 LC : 2 IQ : 50
Lat1 : 14.783N Lon1 : 59.872W Lat2 : 19.025N Lon2 : 79.247W
189 45 76 270
00 00

08179 Date : 06.08.98 11:32:18 LC : 1 IQ : 58
Lat1 : 14.792N Lon1 : 59.877W Lat2 : 13.943N Lon2 : 56.076W
190 21 76 270
00 00

08179 Date : 06.08.98 12:30:02 LC : 2 IQ : 68
Lat1 : 14.810N Lon1 : 59.907W Lat2 : 0.381N Lon2 : 0.493W
191 32 76 270
00 00

08179 Date : 06.08.98 13:09:42 LC : A IQ : 07
Lat1 : 14.819N Lon1 : 59.938W Lat2 : 24.650N Lon2 : 104.080W
193 49 76 270
00 00

08179 Date : 06.08.98 14:06:02 LC : B IQ : 00
Lat1 : 14.855N Lon1 : 59.816W Lat2 : 23.434N Lon2 : 97.850W
195 39 76 270
00 00

30

08179 Date : 06.08.98 18:43:49 LC : 0 IQ : 58
Lat1 : 14.933N Lon1 : 59.964W Lat2 : 14.319N Lon2 : 62.644W
195 35 58 (352)
00 01

08179 Date : 06.08.98 20:16:47 LC : B IQ : 00
Lat1 : 14.928N Lon1 : 60.106W Lat2 : 24.503N Lon2 : 14.446W
192 58 58 (352)
00 00

08179 Date : 06.08.98 21:56:03 LC : 0 IQ : 58
Lat1 : 15.000N Lon1 : 60.117W Lat2 : 0.232N Lon2 : 1.704W
190 49 58 (352)
00 00

08179 Date : 06.08.98 22:40:27 LC : (2) IQ : 68
Lat1 : 15.008N Lon1 : 60.170W Lat2 : 19.598N Lon2 : 39.626W
189 34 58 (352)
00 00

08179 Date : 07.08.98 10:26:45 LC : (2) IQ : 58
Lat1 : 15.288N Lon1 : 60.390W Lat2 : 16.937N Lon2 : 67.985W
189 28 73 (273)
00 00

08179 Date : 07.08.98 11:08:42 LC : (2) IQ : 58
Lat1 : 15.304N Lon1 : 60.399W Lat2 : 0.550N Lon2 : 0.335W
189 34 73 (273)
00 00

08179 Date : 07.08.98 12:13:38 LC : (3) IQ : 68
Lat1 : 15.334N Lon1 : 60.422W Lat2 : 11.350N Lon2 : 43.485W
191 44 73 (273)
00 00

08179 Date : 07.08.98 12:48:04 LC : (1) IQ : 68
Lat1 : 15.351N Lon1 : 60.436W Lat2 : 22.573N Lon2 : 92.810W
192 43 73 (273)
00 00

08179 Date : 07.08.98 13:54:33 LC : B IQ : 00
Lat1 : 15.345N Lon1 : 60.546W Lat2 : 22.226N Lon2 : 91.274W
194 72 73 (273)
00 00

08179 Date : 07.08.98 18:33:11 LC : 0 IQ : 58
Lat1 : 15.468N Lon1 : 60.603W Lat2 : 16.306N Lon2 : 56.938W
197 35 57 (357)
00 00

08179 Date : 07.08.98 21:34:26 LC : A IQ : 07
Lat1 : 15.554N Lon1 : 60.651W Lat2 : 17.343N Lon2 : 51.985W
192 275 6215 31927
03 28

08179 Date : 07.08.98 22:17:11 LC : (1) IQ : 57
Lat1 : 15.562N Lon1 : 60.622W Lat2 : 22.544N Lon2 : 29.004W
190 09 57 (357)
00 01

08179 Date : 08.08.98 01:06:31 LC : A IQ : 08
Lat1 : 15.632N Lon1 : 60.661W Lat2 : 11.576N Lon2 : 78.327W
188 25 57 (357)
00 00

08179 Date : 08.08.98 05:26:58 LC : B IQ : 00
Lat1 : 15.730N Lon1 : 60.701W Lat2 : 5.523N Lon2 : 15.469W
00 1042 79 256
00 29

08179 Date : 08.08.98 07:07:15 LC : (1) IQ : 58
Lat1 : 15.779N Lon1 : 60.753W Lat2 : 16.567N Lon2 : 64.164W
188 33 79 (256)
00 00

08179 Date : 08.08.98 10:02:11 LC : (2) IQ : 68
Lat1 : 15.857N Lon1 : 60.792W Lat2 : 0.640N Lon2 : 0.319W 31
189 53 79 (256)
00 00

08179 Date : 08.08.98 10:48:29 LC : (3) IQ : 68
Lat1 : 15.877N Lon1 : 60.791W Lat2 : 9.790N Lon2 : 33.576W
189 46 79 (256)
00 00

08179 Date : 08.08.98 12:03:56 LC : (2) IQ : 68
Lat1 : 15.917N Lon1 : 60.826W Lat2 : 0.714N Lon2 : 0.400W
190 42 79 (256)
00 00

08179 Date : 08.08.98 12:26:36 LC : (3) IQ : 68
Lat1 : 15.931N Lon1 : 60.830W Lat2 : 0.747N Lon2 : 0.385W
191 49 79 (256)
00 00

08179 Date : 08.08.98 13:43:35 LC : (1) IQ : 58
Lat1 : 15.974N Lon1 : 60.874W Lat2 : 21.534N Lon2 : 84.752W
194 78 79 (256)
00 03

08179 Date : 08.08.98 18:22:35 LC : (1) IQ : 58
Lat1 : 16.102N Lon1 : 60.955W Lat2 : 18.217N Lon2 : 51.603W
193 22 59 (326)
00 00

08179 Date : 08.08.98 20:01:35 LC : B IQ : 00
Lat1 : 16.144N Lon1 : 60.972W Lat2 : 7.392N Lon2 : 99.771W
193 48 59 (326)
00 00

08179 Date : 08.08.98 21:12:45 LC : (3) IQ : 68
Lat1 : 16.198N Lon1 : 60.969W Lat2 : 20.480N Lon2 : 41.310W
191 28 59 (326)
00 00

08179 Date : 08.08.98 23:30:59 LC : Z IQ : 10
Lat1 : 14.984N Lon1 : 65.568W Lat2 : 15.879N Lon2 : 61.603W
188 20 59 (326)
00 00

08179 Date : 09.08.98 09:44:58 LC : A IQ : 00
Lat1 : 16.341N Lon1 : 61.088W Lat2 : 13.017N Lon2 : 45.794W
189 1110 92 (221)
00 00

08179 Date : 09.08.98 10:28:16 LC : B IQ : 00
Lat1 : 16.320N Lon1 : 61.081W Lat2 : 7.896N Lon2 : 22.789W
189 257 92 (221)
00 01

08179 Date : 09.08.98 11:53:41 LC : A IQ : 00
Lat1 : 16.300N Lon1 : 61.026W Lat2 : 9.243N Lon2 : 30.358W
189 05 92 (221)
00 01

08179 Date : 09.08.98 18:13:11 LC : A IQ : 00
Lat1 : 16.237N Lon1 : 61.077W Lat2 : 19.703N Lon2 : 46.066W
191 61 156 (131)
00 00

08179 Date : 09.08.98 22:26:40 LC : B IQ : 00
Lat1 : 16.096N Lon1 : 61.277W Lat2 : 12.324N Lon2 : 78.334W
189 580 156 (131)
00 00

08179 Date : 10.08.98 06:41:27 LC : B IQ : 00
Lat1 : 16.341N Lon1 : 60.676W Lat2 : 13.550N Lon2 : 52.520W
189 1474 243 (86)
00 01

32

08179 Date : 10.08.98 10:56:15 LC : B IQ : 00
Lat1 : 16.280N Lon1 : 61.242W Lat2 : 21.429N Lon2 : 82
189 522 243 (86)
00 00

08179 Date : 10.08.98 10:56:15 LC : B IQ : 00
Lat1 : 16.280N Lon1 : 61.242W Lat2 : 21.429N Lon2 : 82
189 522 243 (86)

08179 Date : 10.08.98 18:01:33 LC : (1) IQ : 50
Lat1 : 16.136N Lon1 : 61.145W Lat2 : 20.836N Lon2 : 40
192 14 269 (77)
00 01

08179 Date : 10.08.98 19:43:00 LC : B IQ : 00
Lat1 : 16.107N Lon1 : 61.212W Lat2 : 9.698N Lon2 : 89
190 05 269 (77)
00 01

08179 Date : 10.08.98 22:07:24 LC : (2) IQ : 58
Lat1 : 16.100N Lon1 : 61.237W Lat2 : 14.627N Lon2 : 67
190 30 269 (77)

08179 Date : 11.08.98 00:28:20 LC : B IQ : 00
Lat1 : 16.058N Lon1 : 61.303W Lat2 : 9.094N Lon2 : 92
189 07 269 (77)
00 01

08179 Date : 11.08.98 08:14:51 LC : B IQ : 00
Lat1 : 16.005N Lon1 : 61.317W Lat2 : 23.656N Lon2 : 95
189 619 92 (223)

08179 Date : 11.08.98 10:40:21 LC : B IQ : 00
Lat1 : 16.002N Lon1 : 61.268W Lat2 : 18.489N Lon2 : 72
189 385 92 (223)

08179 Date : 11.08.98 08:14:51 LC : B IQ : 00
Lat1 : 16.005N Lon1 : 61.317W Lat2 : 23.656N Lon2 : 95
189 619 92 (223)

08179 Date : 11.08.98 10:40:21 LC : B IQ : 00
Lat1 : 16.002N Lon1 : 61.268W Lat2 : 18.489N Lon2 : 72
189 385 92 (223)

08179 Date : 11.08.98 11:20:56 LC : A IQ : 00
Lat1 : 16.026N Lon1 : 61.272W Lat2 : 13.036N Lon2 : 49.45
189 06 92 (219)
00 06

08179 Date : 11.08.98 21:43:40 LC : B IQ : 00
Lat1 : 15.894N Lon1 : 61.376W Lat2 : 16.803N Lon2 : 57
190 635 225 32515
03 63

08179 Date : 12.08.98 11:01:52 LC : A IQ : 00
Lat1 : 15.872N Lon1 : 61.206W Lat2 : 10.955N Lon2 : 39.05
189 25 722 (29)
00 00

08179 Date : 12.08.98 12:37:11 LC : (1) IQ : 60
Lat1 : 15.842N Lon1 : 61.262W Lat2 : 21.656N Lon2 : 87.175
191 30 722 (29)

08179 Date : 12.08.98 12:54:28 LC : 0 IQ : 50
Lat1 : 15.840N Lon1 : 61.286W Lat2 : 15.646N Lon2 : 60.443
192 19 722 (29)
00 01

08179 Date : 12.08.98 17:34:41 LC : A IQ : 00
Lat1 : 15.778N Lon1 : 61.345W Lat2 : 22.886N Lon2 : 29.631
193 05 76 (272)

08179 Date : 12.08.98 21:24:56 LC : (1) IQ : 50
Lat1 : 15.724N Lon1 : 61.477W Lat2 : 18.879N Lon2 : 46.598
190 38 76 (272)
00 00

08179 Date : 12.08.98 22:03:41 LC : A IQ : 06
Lat1 : 15.761N Lon1 : 61.342W Lat2 : 23.949N Lon2 : 23.613W
190 12 76 (272)

00 01
08179 Date : 13.08.98 09:53:44 LC : 1 IQ : 50
Lat1 : 15.640N Lon1 : 61.452W Lat2 : 13.409N Lon2 : 51.581W
188 24 96 (214)

00 01
08179 Date : 13.08.98 12:13:34 LC : B IQ : 00
Lat1 : 15.688N Lon1 : 61.443W Lat2 : 19.321N Lon2 : 75.672W
189 741 96 (214)

08179 Date : 13.08.98 21:01:49 LC : A IQ : 08
Lat1 : 15.608N Lon1 : 61.285W Lat2 : 21.075N Lon2 : 35.921W
187 1410 292 (71)

08179 Date : 14.08.98 11:51:35 LC : Z IQ : 10
Lat1 : 15.691N Lon1 : 61.372W Lat2 : 16.772N Lon2 : 65.247W
187 1807 996 (21)

08179 Date : 15.08.98 10:50:29 LC : A IQ : 00
Lat1 : 15.619N Lon1 : 61.298W
187 25 2631 (08)

08179 Date : 16.08.98 12:48:03 LC : A IQ : 00
Lat1 : 15.648N Lon1 : 61.251W
191 33477 2752 65364
00 06

08179 Date : 16.08.98 18:31:58 LC : B IQ : 00
Lat1 : 15.595N Lon1 : 61.345W
187 05 792 (26)

08179 Date : 16.08.98 23:19:02 LC : 0 IQ : 60
Lat1 : 15.621N Lon1 : 61.273W
187 2539 792 (26)

08179 Date : 16.08.98 23:19:22 LC : Z IQ : 10
Lat1 : 6.798N Lon1 : 101.117W Lat2 : 15.607N Lon2 : 61.318W
187 2539 792 (26)

08179 Date : 17.08.98 10:06:36 LC : B IQ : 00
Lat1 : 15.620N Lon1 : 61.295W
187 1722 1495 (14)

08179 Date : 17.08.98 10:06:36 LC : B IQ : 00
Lat1 : 15.620N Lon1 : 61.295W
187 1722 1495 (14)

08179 Date : 17.08.98 21:18:22 LC : B IQ : 00
Lat1 : 15.651N Lon1 : 61.274W
186 2572 891 (23)

08179 Date : 18.08.98 06:54:13 LC : 0 IQ : 50
Lat1 : 15.635N Lon1 : 61.187W
186 3185 2089 (10)

08179 Date : 18.08.98 12:02:04 LC : B IQ : 00
Lat1 : 15.472N Lon1 : 61.132W
187 67 2089 (10)
00 00

08179 Date : 18.08.98 20:54:34 LC : 0 IQ : 60
Lat1 : 15.622N Lon1 : 61.374W
188 1032 825 (25)

08179 Date : 18.08.98 23:20:37 LC : Z IQ : 10
Lat1 : 15.657N Lon1 : 61.242W
187 2341 825 (25)
00 00

34

08179 Date : 19.08.98 11:42:54 LC : Z IQ : 10
Lat1 : 15.698N Lon1 : 61.585W
188 1659 1484 14

08179 Date : 20.08.98 00:30:49 LC : 0 IQ : 60
Lat1 : 15.612N Lon1 : 61.326W

187 2543 642 32
08179 Date : 20.08.98 06:32:52 LC : 0 IQ : 50
Lat1 : 15.610N Lon1 : 61.340W

187 2635 1301 16
08179 Date : 21.08.98 22:12:30 LC : A IQ : 00
Lat1 : 15.618N Lon1 : 61.320W

187 14578 50087 33008
01 63

08179 Date : 21.08.98 23:48:40 LC : 2 IQ : 50
Lat1 : 13.124N Lon1 : 72.534W (Lat2 : 15.609N Lon2 : 61.326W)

187 2797 935 22

08179 Date : 24.08.98 09:13:57 LC : 0 IQ : 60
Lat1 : 15.603N Lon1 : 61.315W
187 2725 1901 11

08179 Date : 21.08.98 23:49:00 LC : B IQ : 00
Lat1 : 15.597N Lon1 : 61.304W
187 2797 935 22

08179 Date : 22.08.98 09:56:28 LC : 1 IQ : 58
Lat1 : 15.602N Lon1 : 61.265W
188 135 2329 09

08179 Date : 22.08.98 12:34:05 LC : A IQ : 08
Lat1 : 15.679N Lon1 : 61.428W
189 1352 2329 09

08179 Date : 22.08.98 09:56:28 LC : 1 IQ : 58
Lat1 : 15.602N Lon1 : 61.265W
188 135 2329 09

08179 Date : 25.08.98 00:24:58 LC : 1 IQ : 60
Lat1 : 15.598N Lon1 : 61.321W
186 2338 1379 15

08179 Date : 23.08.98 09:33:53 LC : 0 IQ : 50
Lat1 : 15.603N Lon1 : 61.289W
188 05 1731 12
00 01

08179 Date : 26.08.98 07:12:21 LC : A IQ : 00
Lat1 : 15.612N Lon1 : 61.312W
187 2541 1896 11

08179 Date : 27.08.98 10:33:35 LC : 0 IQ : 60
Lat1 : 15.589N Lon1 : 61.354W
186 2559 41 14194
03 23

08179 Date : 27.08.98 12:08:03 LC : B IQ : 00
Lat1 : 15.637N Lon1 : 61.307W
187 1503 1898 11

08179 Date : 27.08.98 13:04:08 LC : 0 IQ : 50
Lat1 : 15.561N Lon1 : 61.115W
189 06 2046 00
00 00

08179 Date : 27.08.98 19:58:04 LC : B IQ : 00
Lat1 : 15.639N Lon1 : 61.361W
188 1066 1280 16
00 00

35

08179 Date : 27.08.98 20:58:14 LC : B IQ : 00
Lat1 : 15.558N Lon1 : 61.335W
188 1725 1280 16
00 00

08179 Date : 27.08.98 23:20:49 LC : 0 IQ : 60
Lat1 : 15.601N Lon1 : 61.323W
187 2040 1280 16
00 00

08179 Date : 28.08.98 11:03:39 LC : A IQ : 00
Lat1 : 15.622N Lon1 : 61.311W
187 1306 1599 13
00 00

08179 Date : 28.08.98 13:27:37 LC : B IQ : 00
Lat1 : 15.602N Lon1 : 61.283W
187 1157 34557 13
02 00

08179 Date : 28.08.98 22:16:55 LC : B IQ : 00
Lat1 : 15.547N Lon1 : 61.080W
186 2104 558 37
00 00

08179 Date : 29.08.98 19:35:05 LC : A IQ : 00
Lat1 : 15.631N Lon1 : 61.245W
188 995 16554 17
00 00

08179 Date : 29.08.98 23:54:54 LC : 1 IQ : 60
Lat1 : 15.607N Lon1 : 61.303W
187 2024 1194 17
00 00

08179 Date : 30.08.98 10:17:34 LC : 2 IQ : 67
Lat1 : 15.615N Lon1 : 61.292W
188 113 1091 19
00 00

08179 Date : 30.08.98 11:05:14 LC : 1 IQ : 58
Lat1 : 15.603N Lon1 : 61.300W
187 1283 1091 19
00 00

08179 Date : 30.08.98 11:59:46 LC : A IQ : 00
Lat1 : 15.557N Lon1 : 61.336W
187 1555 33859 19
00 00

08179 Date : 30.08.98 19:14:09 LC : B IQ : 00
Lat1 : 15.297N Lon1 : 61.394W
188 1032 620 33
00 00

08179 Date : 31.08.98 10:46:58 LC : B IQ : 00
Lat1 : 15.645N Lon1 : 61.339W
187 1062 1730 12
00 00

08179 Date : 31.08.98 21:47:58 LC : B IQ : 00
Lat1 : 15.622N Lon1 : 61.272W
186 1977 514 40
00 00

08179 Date : 01.09.98 06:09:16 LC : A IQ : 00
Lat1 : 15.725N Lon1 : 61.606W
186 2654 1893 11
00 00

08179 Date : 01.09.98 07:41:21 LC : 1 IQ : 60
Lat1 : 15.620N Lon1 : 61.301W
186 2640 1893 11
00 00

36

08179 Date : 01.09.98 10:18:06 LC : 0 IQ : 60
Lat1 : 15.595N Lon1 : 61.270W
187 09 1893 11
00 00

08179 Date : 02.09.98 05:50:52 LC : B IQ : 00
Lat1 : 15.610N Lon1 : 61.279W
186 2571 1296 16
00 00

08179 Date : 02.09.98 11:37:53 LC : 3 IQ : 60
Lat1 : 15.618N Lon1 : 61.284W
188 1570 1296 16
00 00

08179 Date : 02.09.98 13:28:17 LC : B IQ : 00
Lat1 : 15.650N Lon1 : 61.264W
188 95 1296 16
00 00

08179 Date : 02.09.98 20:24:17 LC : 0 IQ : 68
Lat1 : 15.669N Lon1 : 61.427W
186 1793 16969 35
00 00

08179 Date : 03.09.98 11:19:10 LC : 1 IQ : 60
Lat1 : 15.609N Lon1 : 61.289W
187 1503 1600 13
00 00

08179 Date : 03.09.98 13:16:22 LC : 0 IQ : 60
Lat1 : 15.510N Lon1 : 61.125W
188 1567 1600-13
00 00

08179 Date : 03.09.98 18:38:56 LC : 0 IQ : 50
Lat1 : 15.628N Lon1 : 61.294W
187 1457 1010 20
00 00

08179 Date : 03.09.98 20:17:01 LC : A IQ : 00
Lat1 : 15.561N Lon1 : 61.310W
187 1343 1010 20
00 00

08179 Date : 04.09.98 08:53:01 LC : A IQ : 00
Lat1 : 15.546N Lon1 : 61.308W
186 1904 564 13
00 00

08179 Date : 04.09.98 10:10:28 LC : A IQ : 07
Lat1 : 15.605N Lon1 : 61.062W
186 2103 1588 13
00 00

08179 Date : 04.09.98 08:53:01 LC : A IQ : 00
Lat1 : 15.546N Lon1 : 61.308W
186 1904 564 13
00 00

08179 Date : 04.09.98 10:10:28 LC : A IQ : 07
Lat1 : 15.605N Lon1 : 61.062W
186 2103 1588 13
00 00

08179 Date : 04.09.98 18:23:52 LC : 0 IQ : 58
Lat1 : 15.626N Lon1 : 61.280W
187 05 665 31
00 00

08179 Date : 04.09.98 21:19:40 LC : 0 IQ : 50
Lat1 : 15.605N Lon1 : 61.322W
187 965 665 31
00 00

08179 Date : 04.09.98 23:36:12 LC : Z IQ : 10

Lat1 : 15.050N Lon1 : 61.796W

187 2039-665 31

00 00

08179 Date : 05.09.98 18:20:15 LC : B IQ : 00

Lat1 : 15.503N Lon1 : 61.436W

190 1465 849 24

00 00

08179 Date : 05.09.98 20:54:46 LC : A IQ : 00

Lat1 : 15.615N Lon1 : 61.290W

187 1361 849 24

00 00

08179 Date : 05.09.98 22:30:38 LC : B IQ : 00

Lat1 : 15.496N Lon1 : 61.347W

187 1771 849 24

00 00

08179 Date : 07.09.98 01:37:26 LC : 1 IQ : 60

Lat1 : 15.622N Lon1 : 61.295W

186 2202 534 38

00 00

only L80, 1, 2 or 3 hereafter

08179 Date : 08.09.98 12:48:11 LC : 1 IQ : 60

Lat1 : 15.576N Lon1 : 61.297W

189 1655 1380 15

00 00

08179 Date : 09.09.98 07:53:21 LC : 0 IQ : 68

Lat1 : 15.605N Lon1 : 61.285W

186 2605 1723 12

00 00

08179 Date : 09.09.98 12:19:33 LC : 0 IQ : 50

Lat1 : 15.600N Lon1 : 61.224W

187 1661 1723 12

00 00

08179 Date : 14.09.98 18:15:12 LC : 2 IQ : 60

Lat1 : 15.628N Lon1 : 61.288W

186 1490 1450 14

00 00

08179 Date : 14.09.98 19:59:05 LC : 0 IQ : 57

Lat1 : 15.655N Lon1 : 61.156W

185 1503 1450 14

00 00

08179 Date : 15.09.98 06:44:33 LC : B IQ : 00

Lat1 : 15.769N Lon1 : 61.008W

185 2454 1875 11

00 00

08179 Date : 15.09.98 22:11:14 LC : 0 IQ : 50

Lat1 : 15.557N Lon1 : 61.394W

186 1998 882 23

00 00

08179 Date : 16.09.98 00:39:52 LC : 1 IQ : 60

Lat1 : 15.598N Lon1 : 61.299W

186 2261 882 23

00 00

08179 Date : 16.09.98 10:43:47 LC : 1 IQ : 58

Lat1 : 15.625N Lon1 : 61.306W

187 80 1727 12

00 00

08179 Date : 18.09.98 11:54:02 LC : 1 IQ : 68
 Lat1 : 15.629N Lon1 : 61.281W
 187 1441 1153 18
 00 00

08179 Date : 18.09.98 11:54:02 LC : 1 IQ : 68
 Lat1 : 15.629N Lon1 : 61.281W
 187 1441 1153 18
 00 00

08179 Date : 18.09.98 23:29:34 LC : 0 IQ : 68
 Lat1 : 15.734N Lon1 : 61.065W
 187 1797 49159 63647
 03 63

08179 Date : 19.09.98 13:21:39 LC : 0 IQ : 58
 Lat1 : 15.681N Lon1 : 61.316W
 188 11 1478 14
 00 00

08179 Date : 22.09.98 12:44:26 LC : 0 IQ : 50
 Lat1 : 15.599N Lon1 : 61.250W
 187 117 1725 12
 00 00

08179 Date : 22.09.98 21:16:43 LC : 0 IQ : 68
 Lat1 : 15.607N Lon1 : 61.344W
 185 1456 972 21
 00 00

08179 Date : 23.09.98 06:59:27 LC : 0 IQ : 68
 Lat1 : 15.623N Lon1 : 61.371W
 185 3055 1471 78
 00 04

08179 Date : 25.09.98 12:10:50 LC : 1 IQ : 60
 Lat1 : 15.608N Lon1 : 61.355W
 185 06 1297 272
 00 00

08179 Date : 27.09.98 00:52:03 LC : 0 IQ : 60
 Lat1 : 15.623N Lon1 : 61.164W
 183 2253 407 51
 00 56

08179 Date : 28.09.98 20:49:49 LC : 1 IQ : 60
 Lat1 : 15.622N Lon1 : 61.311W
 186 1836 395 52
 00 01

08179 Date : 28.09.98 23:11:19 LC : 0 IQ : 60
 Lat1 : 15.612N Lon1 : 61.307W
 185 2141 395 52
 00 00

08179 Date : 29.09.98 09:13:47 LC : 0 IQ : 60
 Lat1 : 15.622N Lon1 : 61.302W
 185 10 1725 12
 00 00

08179 Date : 29.09.98 10:05:55 LC : 0 IQ : 60
 Lat1 : 15.589N Lon1 : 61.291W
 188 06 1725 12
 00 00

08179 Date : 30.09.98 18:41:05 LC : 0 IQ : 60
 Lat1 : 15.601N Lon1 : 61.347W
 186 1536 777 26
 00 00

08179 Date : 01.10.98 01:42:07 LC : 0 IQ : 60

Lat1 : 15.619N Lon1 : 61.315W

185 2081 777 26

00 00

08179 Date : 01.10.98 12:33:53 LC : 2 IQ : 50

~~Lat1 : 12.374N Lon1 : 47.208W~~ Lat2 : 15.599N Lon2 : 61.277W

188 1438 1472 14

00 00

08179 Date : 03.10.98 18:09:42 LC : 0 IQ : 50

Lat1 : 15.521N Lon1 : 61.439W

186 1455 39835 16405

00 38

08179 Date : 03.10.98 19:48:30 LC : 0 IQ : 50

Lat1 : 15.629N Lon1 : 61.254W

186 07 955 21

00 01

08179 Date : 04.10.98 10:44:58 LC : 0 IQ : 50

Lat1 : 15.615N Lon1 : 61.277W

186 05 1084 19

00 00

08179 Date : 05.10.98 00:21:59 LC : 1 IQ : 60

Lat1 : 15.627N Lon1 : 61.299W

186 2467 1118 18

00 00

08179 Date : 05.10.98 06:26:58 LC : 0 IQ : 58

Lat1 : 15.619N Lon1 : 61.327W

186 2694 1380 15

00 00

08179 Date : 05.10.98 10:23:51 LC : 1 IQ : 68

Lat1 : 15.612N Lon1 : 61.289W

186 07 1380 15

00 00

08179 Date : 05.10.98 13:25:07 LC : 0 IQ : 50

Lat1 : 15.605N Lon1 : 61.268W

186 05 1380 15

00 00

08179 Date : 07.10.98 11:21:22 LC : 0 IQ : 50

Lat1 : 15.615N Lon1 : 61.332W

184 1777 1156 18

00 00

08179 Date : 08.10.98 18:53:05 LC : 0 IQ : 60

Lat1 : 15.455N Lon1 : 61.923W

185 1698 510 40

00 00

08179 Date : 10.10.98 23:05:50 LC : 0 IQ : 60

Lat1 : 15.634N Lon1 : 61.269W

186 1886 1123 18

00 00

08179 Date : 11.10.98 06:58:37 LC : 0 IQ : 50

Lat1 : 15.644N Lon1 : 61.251W

185 2610 1719 12

00 00

08179 Date : 11.10.98 18:15:58 LC : 2 IQ : 60

Lat1 : 15.617N Lon1 : 61.290W

187 08 767 26

00 00

08179 Date : 11.10.98 20:00:14 LC : 0 IQ : 67

Lat1 : 15.656N Lon1 : 61.230W

187 1559 767 26

00 00

08179 Date : 12.10.98 06:51:03 LC : 1 IQ : 60

Lat1 : 15.617N Lon1 : 61.316W

184 2781 1213 17

00 00

08179 Date : 12.10.98 13:35:20 LC : 1 IQ : 50

Lat1 : 15.640N Lon1 : 61.328W

185 1588 1213 17

00 00

08179 Date : 13.10.98 09:10:16 LC : 1 IO : 50

Lat1 : 15.609N Lon1 : 61.294W

186 2166 1474 14

00 00

08179 Date : 15.10.98 10:55:26 LC : 0 IQ : 50

Lat1 : 15.610N Lon1 : 61.293W

185 73 1476 14

00 40

08179 Date : 16.10.98 06:11:24 LC : 0 IQ : 50

Lat1 : 15.599N Lon1 : 61.300W

185 2562 1378 15

00 00

08179 Date : 16.10.98 12:46:11 LC : 1 IQ : 50

Lat1 : 15.609N Lon1 : 61.282W

187 1807 1378 15

00 00

08179 Date : 17.10.98 11:47:56 LC : 0 IQ : 50

Lat1 : 15.659N Lon1 : 61.465W

187 36 1724 12

00 00

08179 Date : 19.10.98 10:15:32 LC : 1 IQ : 50

Lat1 : 15.618N Lon1 : 61.300W

186 09 1730 13

00 01

08179 Date : 19.10.98 21:25:26 LC : 1 IQ : 68

Lat1 : 15.604N Lon1 : 61.284W

186 1657 1062 19

00 00

08179 Date : 21.10.98 19:46:53 LC : 0 IQ : 60

Lat1 : 15.612N Lon1 : 61.296W

186 1883 1710 12

00 00

08179 Date : 22.10.98 09:07:39 LC : 1 IQ : 60

Lat1 : 15.617N Lon1 : 61.314W

186 2708 2081 10

00 00

08179 Date : 23.10.98 08:51:58 LC : 0 IQ : 50

Lat1 : 15.597N Lon1 : 61.309W

186 2655 1736 12

00 00

08179 Date : 26.10.98 18:48:45 LC : 0 IQ : 60

Lat1 : 15.583N Lon1 : 61.473W

185 1289 1013 148

00 00

08179 Date : 27.10.98 11:25:22 LC : 0 IQ : 50

Lat1 : 15.624N Lon1 : 61.343W

185 1451 1373 15

00 00

41

08179 Date : 27.10.98 22:38:13 LC : 0 IQ : 60
Lat1 : 15.608N Lon1 : 61.307W
185 1746 2473 25
00 00

08179 Date : 28.10.98 11:01:43 LC : 0 IQ : 60
Lat1 : 15.618N Lon1 : 61.349W
186 05 1377 15
00 00

08179 Date : 28.10.98 11:58:34 LC : 1 IQ : 60
Lat1 : 15.597N Lon1 : 61.292W
187 1583 1377 15
00 00

08179 Date : 28.10.98 11:58:34 LC : 1 IQ : 60
Lat1 : 15.597N Lon1 : 61.292W
187 1583 1377 15
00 00

08179 Date : 01.11.98 08:07:26 LC : 0 IQ : 60
Lat1 : 15.594N Lon1 : 61.249W
185 2547 1718 12
00 00

08179 Date : 01.11.98 10:26:46 LC : 0 IQ : 50
Lat1 : 15.614N Lon1 : 61.285W
185 05 1718 12
00 00

08179 Date : 01.11.98 11:16:23 LC : 1 IQ : 50
Lat1 : 15.626N Lon1 : 61.301W
185 05 1718 12
00 04

08179 Date : 02.11.98 12:38:48 LC : 0 IQ : 60
Lat1 : 15.696N Lon1 : 61.420W
186 1558 1721 12
00 00

08179 Date : 02.11.98 12:39:28 LC : 0 IQ : 50
Lat1 : 15.590N Lon1 : 61.255W
187 1558 1721 12
00 00

08179 Date : 05.11.98 09:01:21 LC : 1 IQ : 50
Lat1 : 15.613N Lon1 : 61.296W
186 3125 2608 08
00 00

08179 Date : 05.11.98 11:25:39 LC : 0 IQ : 58
Lat1 : 15.616N Lon1 : 61.395W
186 1975 2608 08
00 00

08179 Date : 05.11.98 13:35:50 LC : 1 IQ : 58
Lat1 : 15.653N Lon1 : 61.296W
184 18 10801 9224
00 01

08179 Date : 06.11.98 11:43:56 LC : 0 IQ : 50
Lat1 : 15.639N Lon1 : 61.279W
186 1897 2081 10
00 00

08179 Date : 06.11.98 12:49:26 LC : 1 IQ : 67
Lat1 : 15.608N Lon1 : 61.300W
186 1833 2081 10
00 00

08179 Date : 07.11.98 18:15:30 LC : 1 IQ : 60
Lat1 : 15.614N Lon1 : 61.289W
186 1583 599 34
00 00

46

"LOTUS"

SYS. NO. =

8/1/98

8180

"ON" 0130 GMT

Saturday
AM

TAGS (new) -

T0354 LIS

CCL-88.0

T0355 RIS

40 drops 4oz Card

0130 - 0145 wash & sand

13 drops Elastomer dry 0205

Done trimming Elastomer 0215

Second coat done 0305

0340 end of 3rd coat

38 drops
4oz

kevlar cigar . 2 kevlar anterior

GPS = 13° 04.732' N

IN Front 59° 36.551' W

of oil storage tanks

4:11 AM release

used light kemp pot to work

under

(carried
in blue
tarp
for release)

08180 Date : 31.07.98 09:45:17 LC : Z IQ : 10
Lat1 : 8.874N Lon1 : 38.359W Lat2 : 15.529N Lon2 : 68.784W
161 00 00 00
00 00

08180 Date : 31.07.98 10:26:37 LC : Z IQ : 51
Lat1 : 13.072N Lon1 : 59.621W Lat2 : 5.098N Lon2 : 24.299W
162 00 00 00
00 00

08180 Date : 31.07.98 09:45:17 LC : Z IQ : 10
Lat1 : 8.874N Lon1 : 38.359W Lat2 : 15.529N Lon2 : 68.784W
161 00 00 00
00 00

08180 Date : 31.07.98 10:26:37 LC : Z IQ : 51
Lat1 : 13.072N Lon1 : 59.621W Lat2 : 5.098N Lon2 : 24.299W
162 00 00 00
00 00

08180 Date : 01.08.98 06:48:02 LC : 1 IQ : 50
Lat1 : 13.080N Lon1 : 59.617W Lat2 : 12.179N Lon2 : 55.695W
169 00 00 00
00 00

08180 Date : 01.08.98 08:26:11 LC : B IQ : 00
Lat1 : 13.140N Lon1 : 59.616W Lat2 : 22.930N Lon2 : 103.788W
175 114 00 00
00 00

08180 Date : 01.08.98 13:33:41 LC : A IQ : 08
Lat1 : 13.031N Lon1 : 59.558W Lat2 : 18.062N Lon2 : 81.661W
168 09 00 00
00 01

08180 Date : 02.08.98 00:27:40 LC : A IQ : 00
Lat1 : 13.012N Lon1 : 59.603W Lat2 : 5.705N Lon2 : 92.110W
166 1281 291 56
00 00

08180 Date : 02.08.98 08:14:19 LC : B IQ : 00
Lat1 : 13.132N Lon1 : 59.570W Lat2 : 21.846N Lon2 : 98.309W
165 2040 1227 17
00 00

08180 Date : 02.08.98 10:35:51 LC : B IQ : 00
Lat1 : 13.053N Lon1 : 59.482W Lat2 : 16.348N Lon2 : 74.442W
166 57 1227 17
00 00

08180 Date : 02.08.98 11:14:23 LC : Z IQ : 10
Lat1 : 9.860N Lon1 : 50.283W Lat2 : 13.007N Lon2 : 60.042W
166 06 1227 17
00 01

08180 Date : 02.08.98 13:23:09 LC : B IQ : 00
Lat1 : 12.964N Lon1 : 59.986W Lat2 : 16.514N Lon2 : 75.306W
165 1086 1227 17
00 00

08180 Date : 02.08.98 22:48:34 LC : B IQ : 00
Lat1 : 13.005N Lon1 : 59.557W Lat2 : 23.561N Lon2 : 11.705W
165 1421 595 35
00 00

48

- 08180 Date : 03.08.98 11:25:17 LC : A IQ : 00
Lat1 : 13.041N Lon1 : 59.561W Lat2 : 4.054N Lon2 : 21.20W
166 1501 1492 (14)
00 00
- 08180 Date : 03.08.98 19:12:01 LC : A IQ : 00
Lat1 : 12.809N Lon1 : 59.861W Lat2 : 8.701N Lon2 : 78.14W
167 1635 1387 (15)
00 00
- 08180 Date : 03.08.98 21:23:10 LC : B IQ : 00
Lat1 : 13.068N Lon1 : 59.529W Lat2 : 16.051N Lon2 : 45.50W
167 834 1387 (15)
00 00
- 08180 Date : 05.08.98 06:01:01 LC : B IQ : 00
Lat1 : 13.124N Lon1 : 59.641W Lat2 : 7.210N Lon2 : 33.975W
00 1785 1391 (15)
00 03
- 08180 Date : 05.08.98 11:56:58 LC : A IQ : 00
Lat1 : 13.052N Lon1 : 59.420W Lat2 : 14.911N Lon2 : 67.85W
163 1557 1391 (15)
00 00
- 08180 Date : 06.08.98 05:52:32 LC : B IQ : 00
Lat1 : 13.108N Lon1 : 59.542W Lat2 : 6.137N Lon2 : 28.910W
00 1554 1496 (14)
00 03
- 08180 Date : 05.08.98 18:57:23 LC : B IQ : 00
Lat1 : 13.075N Lon1 : 59.954W Lat2 : 11.303N Lon2 : 67.14W
165 34800 1303 (16)
00 00
- 08180 Date : 06.08.98 01:32:25 LC : B IQ : 00
Lat1 : 13.006N Lon1 : 59.591W Lat2 : 6.003N Lon2 : 90.200W
165 2307 1303 (16)
00 00
- 08180 Date : 06.08.98 20:13:22 LC : B IQ : 00
Lat1 : 12.955N Lon1 : 59.706W Lat2 : 22.716N Lon2 : 13.604W
167 2033 1736 (12)
00 00
- 08180 Date : 07.08.98 00:22:51 LC : B IQ : 00
Lat1 : 13.177N Lon1 : 59.948W Lat2 : 6.445N Lon2 : 87.780W
166 1839 1736 (12)
00 00
- 08180 Date : 07.08.98 01:26:53 LC : B IQ : 00
Lat1 : 13.212N Lon1 : 59.970W Lat2 : 5.984N Lon2 : 84.922W
165 1839 1736 (12)
00 00
- 08180 Date : 07.08.98 12:54:13 LC : B IQ : 00
Lat1 : 13.080N Lon1 : 59.862W Lat2 : 20.745N Lon2 : 94.685W
166 1507 1736 (13)
00 32
- 08180 Date : 07.08.98 22:16:11 LC : A IQ : 00
Lat1 : 13.007N Lon1 : 59.582W Lat2 : 19.826N Lon2 : 28.637W
167 1738 1479 (14)
00 00
- 08180 Date : 07.08.98 23:15:53 LC : A IQ : 05
Lat1 : 13.153N Lon1 : 59.551W Lat2 : 4.046N Lon2 : 99.820W
167 1740 1479 (14)
00 00
- 08180 Date : 08.08.98 12:31:41 LC : A IQ : 00
Lat1 : 13.060N Lon1 : 59.626W Lat2 : 18.414N Lon2 : 83.975W
164 1838 1232 (17)
00 00
- 08180 Date : 08.08.98 21:57:26 LC : 0 IQ : 60
Lat1 : 13.083N Lon1 : 59.378W Lat2 : 22.388N Lon2 : 18.198W
165 1619 1164 (18)
00 00

08180 Date : 09.08.98 10:27:55 LC : B IQ : 00
 Lat1 : 13.091N Lon1 : 59.479W Lat2 : 5.589N Lon2 : 25.546W
 167 1631 1598 (13)

08180 Date : 09.08.98 11:57:12 LC : B IQ : 00
 Lat1 : 12.808N Lon1 : 59.320W Lat2 : 6.635N Lon2 : 34.069W
 167 1661 1598 (13)

08180 Date : 09.08.98 10:27:55 LC : B IQ : 00
 Lat1 : 13.091N Lon1 : 59.479W Lat2 : 5.589N Lon2 : 25.546W
 167 1631 1598 (13)

08180 Date : 09.08.98 11:57:12 LC : B IQ : 00
 Lat1 : 12.808N Lon1 : 59.320W Lat2 : 6.635N Lon2 : 34.069W
 167 1661 1598 (13)

08180 Date : 09.08.98 22:36:15 LC : B IQ : 00
 Lat1 : 13.455N Lon1 : 60.184W Lat2 : 7.767N Lon2 : 79.176W
 168 1748 806 (26)

08180 Date : 10.08.98 00:55:13 LC : B IQ : 00
 Lat1 : 13.007N Lon1 : 59.751W Lat2 : 3.140N Lon2 : 104.165W
 167 1995 806 (26)

08180 Date : 10.08.98 06:47:57 LC : B IQ : 00
 Lat1 : 13.096N Lon1 : 59.596W Lat2 : 12.214N Lon2 : 55.747W
 167 1978 1100 (19)

08180 Date : 10.08.98 10:06:45 LC : A IQ : 00
 Lat1 : 13.106N Lon1 : 59.472W Lat2 : 3.006N Lon2 : 14.839W
 167 05 1100 (19)
 00 01

08180 Date : 10.08.98 10:06:45 LC : A IQ : 00
 Lat1 : 13.106N Lon1 : 59.472W Lat2 : 3.006N Lon2 : 14.839W
 167 05 1100 19
 00 01

08180 Date : 10.08.98 22:05:16 LC : B IQ : 00
 Lat1 : 13.117N Lon1 : 59.433W Lat2 : 11.190N Lon2 : 68.208W
 166 2141 1387 15

08180 Date : 11.08.98 06:35:00 LC : 0 IQ : 50
 Lat1 : 13.087N Lon1 : 59.658W Lat2 : 10.933N Lon2 : 50.385W
 164 2499 1742 12

08180 Date : 11.08.98 13:07:08 LC : B IQ : 00
 Lat1 : 13.096N Lon1 : 59.598W Lat2 : 15.317N Lon2 : 69.307W
 164 2300 1742 12

08180 Date : 11.08.98 22:32:42 LC : 0 IQ : 50
 Lat1 : 13.130N Lon1 : 59.601W Lat2 : 18.847N Lon2 : 34.184W
 165 2058 1106 19

08180 Date : 12.08.98 08:36:29 LC : 0 IQ : 50
 Lat1 : 13.175N Lon1 : 59.625W Lat2 : 3.558N Lon2 : 16.719W
 165 1948 836 25

08180 Date : 12.08.98 19:23:22 LC : 0 IQ : 58
 Lat1 : 13.178N Lon1 : 59.715W Lat2 : 9.143N Lon2 : 77.699W
 164 2281 722 29

08180 Date : 12.08.98 22:05:48 LC : 0 IQ : 50
 Lat1 : 13.008N Lon1 : 59.610W Lat2 : 20.861N Lon2 : 23.827W
 166 2265 722 29

08180 Date : 13.08.98 09:54:47 LC : (2) IQ : 68
 Lat1 : 13.082N Lon1 : 59.618W Lat2 : 11.928N Lon2 : 54.402W
 166 2462 2092 (10) (0554 Barbados)

08180 Date : 13.08.98 12:17:50 LC : (2) IQ : 58
 Lat1 : 13.088N Lon1 : 59.636W Lat2 : 17.456N Lon2 : 79.225W
 163 08 2092 (10) (0817 Barbados)
 00 01

50

08180 Date : 13.08.98 19:01:07 LC : Z IQ : 10
Lat1 : 9.807N Lon1 : 72.518W Lat2 : 13.115N Lon2 : 59.53W
166 13 991 (21)
00 02

08180 Date : 14.08.98 07:45:13 LC : A IQ : 00
Lat1 : 13.119N Lon1 : 59.668W Lat2 : 18.302N Lon2 : 81.53W
165 05 551 (38)
00 02

08180 Date : 14.08.98 10:14:14 LC : B IQ : 00
Lat1 : 13.117N Lon1 : 59.652W Lat2 : 4.338N Lon2 : 20.093W
167 259 551 (38)

08180 Date : 14.08.98 18:59:24 LC : 0 IQ : 50
Lat1 : 13.070N Lon1 : 59.408W
165 2080 414 51

08180 Date : 15.08.98 11:28:04 LC : B IQ : 00
Lat1 : 13.337N Lon1 : 59.690W
166 1845 671 31

08180 Date : 15.08.98 21:54:59 LC : B IQ : 00
Lat1 : 13.118N Lon1 : 59.434W
167 442 514 41

08180 Date : 16.08.98 01:07:39 LC : 1 IQ : 50
Lat1 : 13.062N Lon1 : 59.598W
168 28 514 41

08180 Date : 16.08.98 11:07:42 LC : Z IQ : 10
Lat1 : 9.594N Lon1 : 46.919W (Lat2 : 13.048N Lon2 : 59.700W)
167 05 228 82
00 02

08180 Date : 16.08.98 18:33:34 LC : B IQ : 00
Lat1 : 13.063N Lon1 : 59.592W
167 1683 437 45

08180 Date : 16.08.98 21:38:50 LC : B IQ : 00
Lat1 : 13.034N Lon1 : 59.644W
167 1103 437 45
00 01

08180 Date : 17.08.98 12:35:02 LC : B IQ : 00
Lat1 : 13.028N Lon1 : 59.753W
168 06 661 32
00 02

08180 Date : 17.08.98 18:25:20 LC : B IQ : 00
Lat1 : 13.394N Lon1 : 58.973W
167 1735 469 45

08180 Date : 18.08.98 09:50:47 LC : B IQ : 00
Lat1 : 12.002N Lon1 : 58.666W
168 669 1310 16
00 01

08180 Date : 18.08.98 11:40:00 LC : A IQ : 00
Lat1 : 13.029N Lon1 : 59.596W
167 1263 1310 16

08180 Date : 19.08.98 09:26:47 LC : A IQ : 00
Lat1 : 12.932N Lon1 : 59.386W
167 08 1306 16
00 02

08180 Date : 20.08.98 02:03:05 LC : B IQ : 00
Lat1 : 13.106N Lon1 : 59.553W
167 2031 997 21
00 00

08180 Date : 20.08.98 06:40:10 LC : B IQ : 00
Lat1 : 13.123N Lon1 : 59.734W

167 2342 1390 (15)

08180 Date : 20.08.98 13:02:55 LC : B IQ : 00
Lat1 : 13.025N Lon1 : 59.654W

165 1832 1390 (15)

00 01

08180 Date : 21.08.98 00:11:36 LC : Z IQ : 10
Lat1 : 12.950N Lon1 : 59.819W

166 918 1313 (16)

08180 Date : 21.08.98 00:11:36 LC : A IQ : 00
Lat1 : 13.050N Lon1 : 59.641W

166 918 1313 (16)

08180 Date : 21.08.98 08:38:42 LC : B IQ : 00
Lat1 : 13.037N Lon1 : 59.553W

168 1848 1307 (16)

08180 Date : 21.08.98 08:38:42 LC : B IQ : 00
Lat1 : 13.037N Lon1 : 59.553W

168 1848 1307 (16)

08180 Date : 21.08.98 12:47:37 LC : Z IQ : 10
Lat1 : 12.433N Lon1 : 56.310W

170 100 1931 25771

02 44

08180 Date : 21.08.98 19:13:44 LC : A IQ : 00
Lat1 : 13.403N Lon1 : 59.144W

168 1768 745 (28)

08180 Date : 22.08.98 07:53:09 LC : A IQ : 00
Lat1 : 13.088N Lon1 : 59.555W

166 1845 1051 (20)

08180 Date : 22.08.98 12:21:50 LC : A IQ : 00
Lat1 : 13.088N Lon1 : 59.644W

166 1688 26 (20)

08180 Date : 22.08.98 19:07:35 LC : 1 IQ : 50
Lat1 : 13.052N Lon1 : 59.610W

168 1802 1394 (15)

08180 Date : 23.08.98 01:20:06 LC : A IQ : 08
Lat1 : 13.059N Lon1 : 59.585W

166 2038 1394 (15)

08180 Date : 23.08.98 11:56:37 LC : B IQ : 00
Lat1 : 13.067N Lon1 : 59.574W

167 05 1310 (16)

00 01

08180 Date : 24.08.98 10:48:06 LC : A IQ : 00
Lat1 : 12.701N Lon1 : 59.068W

169 1587 1737 (12)

08180 Date : 24.08.98 18:47:17 LC : A IQ : 00
Lat1 : 13.078N Lon1 : 59.584W

164 05 1602 (13)

08180 Date : 25.08.98 21:37:17 LC : B IQ : 00
Lat1 : 13.062N Lon1 : 59.597W

168 09 809 (26)

00 01

08180 Date : 26.08.98 07:08:26 LC : A IQ : 00
Lat1 : 13.005N Lon1 : 59.475W

168 2110 1108 (19)

00 00

52

08180 Date : 26.08.98 11:47:22 LC : B IQ : 00
Lat1 : 13.114N Lon1 : 59.638W
168 884 1116 4115

08180 Date : 27.08.98 18:10:01 LC : 1 IQ : 60
Lat1 : 13.042N Lon1 : 59.662W
165 2467 783 27

08180 Date : 28.08.98 09:27:13 LC : B IQ : 00
Lat1 : 13.064N Lon1 : 59.589W
168 2541 1499 14

08180 Date : 28.08.98 11:48:29 LC : 1 IQ : 50
Lat1 : 13.070N Lon1 : 59.613W
167 06 1499 14
00 00

08180 Date : 28.08.98 18:05:25 LC : B IQ : 00
Lat1 : 13.101N Lon1 : 59.573W
169 985 721 29
00 00

08180 Date : 28.08.98 22:58:05 LC : B IQ : 00
Lat1 : 13.087N Lon1 : 59.587W
168 1086 721 29
00 00

08180 Date : 29.08.98 11:03:04 LC : B IQ : 00
Lat1 : 13.044N Lon1 : 59.553W
167 193 367 57
00 00

08180 Date : 29.08.98 22:27:04 LC : B IQ : 00
Lat1 : 12.993N Lon1 : 59.475W
168 488 655 32
00 00

08180 Date : 30.08.98 01:34:42 LC : 0 IQ : 50
Lat1 : 13.070N Lon1 : 59.614W
168 85 655 32
00 00

08180 Date : 30.08.98 06:23:51 LC : B IQ : 00
Lat1 : 13.066N Lon1 : 59.668W
168 101 213 95
00 32

08180 Date : 30.08.98 08:39:12 LC : A IQ : 08
Lat1 : 13.026N Lon1 : 59.543W
168 07 221 94
00 01

08180 Date : 30.08.98 23:53:10 LC : A IQ : 08
Lat1 : 13.082N Lon1 : 59.614W
168 31 289 72
00 00

08180 Date : 30.08.98 19:16:08 LC : A IQ : 00
Lat1 : 13.065N Lon1 : 59.589W
168 1819 289 72
00 00

08180 Date : 30.08.98 21:26:24 LC : A IQ : 00
Lat1 : 13.065N Lon1 : 59.609W
168 1947 289 72
00 00

08180 Date : 30.08.98 23:39:55 LC : A IQ : 40
Lat1 : 13.088N Lon1 : 59.606W
168 189 289 72
00 00

08180 Date : 31.08.98 01:22:38 LC : A IQ : 08

Lat1 : 13.077N Lon1 : 59.611W

168 101 289 (72)
00 01

08180 Date : 31.08.98 09:55:00 LC : Z IQ : 10

Lat1 : 13.086N Lon1 : 59.478W

168 440.300 (60)
00 00

08180 Date : 31.08.98 23:28:06 LC : B IQ : 00

Lat1 : 13.086N Lon1 : 59.556W

166 2431 880 (24)
00 00

08180 Date : 01.09.98 07:46:04 LC : A IQ : 00

Lat1 : 13.096N Lon1 : 59.620W

167 1803 1324 (16)
00 00

08180 Date : 01.09.98 09:35:47 LC : B IQ : 00

Lat1 : 13.093N Lon1 : 59.610W

167 1444 1324 (16)
00 00

08180 Date : 01.09.98 09:35:47 LC : B IQ : 00

Lat1 : 13.093N Lon1 : 59.610W

167 1444 1324 (16)
00 00

08180 Date : 01.09.98 19:01:46 LC : Z IQ : 10

Lat1 : 10.983N Lon1 : 67.703W (Lat2 : 13.179N Lon2 : 59.958W)

166 1952 572 (37)
00 00

08180 Date : 02.09.98 05:55:11 LC : A IQ : 00

Lat1 : 13.132N Lon1 : 59.507W

168 2049 1750 (12)
00 00

08180 Date : 03.09.98 08:57:01 LC : 0 IQ : 60

Lat1 : 13.063N Lon1 : 59.698W

168 2483 1238 (17)
00 00

08180 Date : 03.09.98 11:18:54 LC : A IQ : 00

Lat1 : 13.080N Lon1 : 59.662W

168 12 1238 (17)
00 01

08180 Date : 03.09.98 22:17:32 LC : A IQ : 00

Lat1 : 13.033N Lon1 : 59.660W

166 1649 530 (40)
00 00

08180 Date : 04.09.98 12:34:14 LC : B IQ : 00

Lat1 : 13.131N Lon1 : 59.586W

167 146 915 (23)
00 00

08180 Date : 05.09.98 06:59:48 LC : B IQ : 00

Lat1 : 13.038N Lon1 : 59.411W

166 2327 1004 (21)
00 00

08180 Date : 05.09.98 19:57:16 LC : B IQ : 00

Lat1 : 13.074N Lon1 : 59.770W

167 1896 482 (44)
00 00

08180 Date : 06.09.98 10:13:42 LC : A IQ : 00

Lat1 : 12.984N Lon1 : 59.687W

166 2414 916 (23)
00 00

54

08180 Date : 07.09.98 01:38:47 LC : B IQ : 00
Lat1 : 13.064N Lon1 : 59.715W
168 2406 621 (34)
00 00

08180 Date : 07.09.98 09:01:55 LC : B IQ : 00
Lat1 : 13.113N Lon1 : 59.591W
168 2248 684 (31)
00 00

08180 Date : 07.09.98 11:29:21 LC : B IQ : 00
Lat1 : 13.081N Lon1 : 59.543W
168 08 684 (31)
00 01

08180 Date : 07.09.98 09:01:55 LC : B IQ : 00
Lat1 : 13.113N Lon1 : 59.591W
168 2248 684 (31)
00 00

08180 Date : 07.09.98 11:29:21 LC : B IQ : 00
Lat1 : 13.081N Lon1 : 59.543W
168 08 684 (31)
00 01

08180 Date : 07.09.98 23:31:25 LC : B IQ : 00
Lat1 : 13.011N Lon1 : 59.612W
168 2155 433 (49)
00 00

08180 Date : 08.09.98 23:55:01 LC : B IQ : 00
Lat1 : 13.079N Lon1 : 59.624W
167 2249 604 (35)
00 00

08180 Date : 09.09.98 07:51:55 LC : B IQ : 00
Lat1 : 13.196N Lon1 : 59.672W
167 2266 732 (29)
00 00

08180 Date : 09.09.98 11:38:05 LC : B IQ : 00
Lat1 : 13.096N Lon1 : 59.686W
166 08 732 (29)
00 01

08180 Date : 10.09.98 01:04:06 LC : Z IQ : 10
Lat1 : 9.039N Lon1 : 72.106W Lat2 : 13.161N Lon2 : 59.612W
167 2354 752 (28)
00 00

08180 Date : 11.09.98 21:56:03 LC : Z IQ : 10
Lat1 : 11.173N Lon1 : 65.876W
167 2234 625 34
00 00

08180 Date : 12.09.98 11:26:11 LC : A IQ : 00
Lat1 : 13.156N Lon1 : 59.733W
167 05 1243 17
00 01

08180 Date : 13.09.98 00:06:46 LC : B IQ : 00
Lat1 : 13.081N Lon1 : 59.622W I
167 1003 916 23
00 00

08180 Date : 13.09.98 10:53:56 LC : (1) IQ : 50
Lat1 : 13.078N Lon1 : 59.616W
167 28 721 29

08180 Date : 13.09.98 18:28:51 LC : B IQ : 00
Lat1 : 13.047N Lon1 : 59.671W
167 852 557 38
00 01

08180 Date : 14.09.98 00:06:30 LC : (1) IQ : 50
Lat1 : 13.074N Lon1 : 59.605W
167 24 557 38
00 00

08180 Date : 15.09.98 10:15:56 LC : A IQ : 00
Lat1 : 12.981N Lon1 : 59.868W
167 07 1505 14
00 01

08180 Date : 15.09.98 18:03:26 LC : A IQ : 00
Lat1 : 13.084N Lon1 : 59.608W
166 2415 1109 19
00 00

08180 Date : 15.09.98 23:04:30 LC : B IQ : 00
Lat1 : 13.163N Lon1 : 59.557W
167 2134 1109 19
00 00

08180 Date : 16.09.98 13:08:35 LC : 0 IQ : 50
Lat1 : 13.084N Lon1 : 59.654W
167 2179 1116 19
00 00

08180 Date : 16.09.98 17:57:19 LC : A IQ : 00
Lat1 : 13.141N Lon1 : 59.656W
167 2906 1174 18
00 00

08180 Date : 16.09.98 23:32:30 LC : A IQ : 00
Lat1 : 12.572N Lon1 : 59.738W
167 2520 1174 18
00 00

08180 Date : 17.09.98 21:29:27 LC : B IQ : 00
Lat1 : 12.873N Lon1 : 59.757W
167 1293 1112 19
00 00

08180 Date : 17.09.98 22:10:28 LC : B IQ : 00
Lat1 : 12.948N Lon1 : 60.786W
167 1208 1112 19
00 00

08180 Date : 18.09.98 06:17:24 LC : A IQ : 00
Lat1 : 13.128N Lon1 : 59.599W
168 3039 1178 18
00 00

08180 Date : 18.09.98 11:59:07 LC : B IQ : 00
Lat1 : 12.850N Lon1 : 59.293W
167 2459 1178 18
00 00

08180 Date : 18.09.98 11:59:07 LC : B IQ : 00
Lat1 : 12.850N Lon1 : 59.293W
167 2459 1178 18
00 00

08180 Date : 18.09.98 13:34:47 LC : (1) IQ : 58
Lat1 : 13.072N Lon1 : 59.620W
167 2736 1178 18
00 00

08180 Date : 18.09.98 23:35:23 LC : B IQ : 00
Lat1 : 13.086N Lon1 : 59.689W
167 2679 1241 17
00 00

56

08180 Date : 19.09.98 20:50:18 LC : B IQ : 00
Lat1 : 13.107N Lon1 : 59.586W

167 1951 4613 41
00 01

08180 Date : 20.09.98 02:15:48 LC : Z IQ : 10
Lat1 : 2.218N Lon1 : 107.690W Lat2 : 12.697N Lon2 : 59.9

167 2589 517 41

08180 Date : 20.09.98 09:59:49 LC : A IQ : 00
Lat1 : 13.149N Lon1 : 59.716W

167 53 1009 21
00 00

08180 Date : 20.09.98 11:38:45 LC : B IQ : 00
Lat1 : 13.254N Lon1 : 60.010W

167 2929 1009 21
00 00

08180 Date : 21.09.98 08:52:41 LC : B IQ : 00
Lat1 : 13.075N Lon1 : 59.587W

168 2936 2112 10
00 00

08180 Date : 22.09.98 00:06:18 LC : A IQ : 00
Lat1 : 13.044N Lon1 : 59.695W

167 2708 963 22

08180 Date : 22.09.98 00:06:18 LC : A IQ : 00
Lat1 : 13.053N Lon1 : 59.582W

167 2708 963 22
00 00

08180 Date : 22.09.98 10:59:01 LC : A IQ : 00
Lat1 : 13.067N Lon1 : 59.602W

167 27 1763 12
00 01

08180 Date : 22.09.98 12:34:31 LC : 0 IQ : 68
Lat1 : 13.056N Lon1 : 59.529W

167 11 1763 12
00 01

08180 Date : 22.09.98 21:20:42 LC : A IQ : 08
Lat1 : 13.071N Lon1 : 59.597W

167 2794 627 34
00 00

08180 Date : 24.09.98 11:12:02 LC : 0 IQ : 60
Lat1 : 13.130N Lon1 : 59.772W

167 08 1767 12
00 01

08180 Date : 25.09.98 09:09:50 LC : A IQ : 00
Lat1 : 13.037N Lon1 : 59.418W

167 3356 1411 15
00 00

08180 Date : 25.09.98 23:18:24 LC : B IQ : 00
Lat1 : 13.078N Lon1 : 59.549W

168 3128 819 26
00 00

08180 Date : 26.09.98 19:27:56 LC : B IQ : 00
Lat1 : 13.144N Lon1 : 59.702W

168 2234 547 39
00 00

08180 Date : 27.09.98 19:08:21 LC : B IQ : 00
Lat1 : 13.064N Lon1 : 59.611W

168 687 375 57
00 00

57

08180 Date : 28.09.98 06:07:10 LC : (1) IQ : 50
Lat1 : 13.077N Lon1 : 59.601W
168 59 310 68
00 00

08180 Date : 28.09.98 07:47:18 LC : (2) IQ : 58
Lat1 : 13.083N Lon1 : 59.614W
164 16 292 55737
01 63

08180 Date : 28.09.98 13:11:07 LC : B IQ : 00
Lat1 : 13.157N Lon1 : 59.629W
169 352 310 68
00 02

08180 Date : 29.09.98 02:02:39 LC : B IQ : 00
Lat1 : 13.064N Lon1 : 59.605W
166 100 255 66
00 00

08180 Date : 29.09.98 05:58:03 LC : B IQ : 00
Lat1 : 13.073N Lon1 : 59.535W
168 1013 320 51
00 00

08180 Date : 29.09.98 11:48:17 LC : Z IQ : 10
~~Lat1 : 13.702N Lon1 : 62.579W~~ Lat2 : 13.140N Lon2 : 60.067W
168 06 320 51
00 00

08180 Date : 29.09.98 12:56:31 LC : A IQ : 00
Lat1 : 13.057N Lon1 : 59.541W
168 1936 320 51
00 00

08180 Date : 29.09.98 22:03:15 LC : B IQ : 00
Lat1 : 13.062N Lon1 : 59.609W
167 385 460 46
00 00

08180 Date : 30.09.98 00:10:31 LC : (2) IQ : 56
Lat1 : 13.081N Lon1 : 59.615W
168 18 460 46
00 00

08180 Date : 30.09.98 00:31:56 LC : (2) IQ : 66
Lat1 : 13.082N Lon1 : 59.602W
164 18 460 46
00 00

08180 Date : 30.09.98 11:24:31 LC : B IQ : 00
Lat1 : 13.038N Lon1 : 59.646W
168 329 349 45
00 00

08180 Date : 30.09.98 13:02:02 LC : B IQ : 00
Lat1 : 13.039N Lon1 : 59.597W
168 1187 349 45
00 00

08180 Date : 30.09.98 14:22:19 LC : B IQ : 00
Lat1 : 12.996N Lon1 : 59.617W
170 26 349 45
00 00

08180 Date : 30.09.98 18:37:53 LC : 0 IQ : 50
Lat1 : 12.976N Lon1 : 59.776W
171 42 196 108
00 01

08180 Date : 01.10.98 05:30:38 LC : A IQ : 08
Lat1 : 13.097N Lon1 : 60.339W
168 06 164 126
00 00

58

departed
or
departing

08180 Date : 01.10.98 08:33:09 LC : 0 IQ : 58
 Lat1 : 12.899N Lon1 : 60.201W
 168 28 164 126
 00 00

08180 Date : 01.10.98 10:20:15 LC : B IQ : 00
 Lat1 : 13.072N Lon1 : 59.611W
 168 136 164 16436
 00 00

08180 Date : 01.10.98 11:01:22 LC : 3 IQ : 68
 Lat1 : 12.890N Lon1 : 60.299W
 168 158 164 126
 00 00

08180 Date : 01.10.98 12:32:15 LC : A IQ : 00
 Lat1 : 12.882N Lon1 : 60.343W
 169 133 164 126
 00 00

08180 Date : 01.10.98 12:38:53 LC : B IQ : 00
 Lat1 : 12.891N Lon1 : 60.325W
 169 169 164 126
 00 00

08180 Date : 01.10.98 14:12:41 LC : B IQ : 00
 Lat1 : 12.897N Lon1 : 60.371W
 169 78 164 126
 00 00

08180 Date : 01.10.98 21:20:07 LC : A IQ : 08
 Lat1 : 12.861N Lon1 : 60.578W
 168 150 125 167
 00 01

08180 Date : 02.10.98 09:52:58 LC : A IQ : 00
 Lat1 : 12.907N Lon1 : 60.910W
 168 167 166 126
 00 00

08180 Date : 02.10.98 11:33:38 LC : A IQ : 08
 Lat1 : 12.907N Lon1 : 60.944W
 168 65 166 126
 00 00

08180 Date : 02.10.98 12:18:01 LC : A IO : 08
 Lat1 : 12.894N Lon1 : 60.949W
 169 181 166 126
 00 00

08180 Date : 02.10.98 14:00:58 LC : 2 IQ : 68
 Lat1 : 12.881N Lon1 : 60.987W
 170 127 166 126
 00 00

08180 Date : 02.10.98 18:12:25 LC : A IQ : 08
 Lat1 : 12.833N Lon1 : 61.081W
 170 148 119 177
 00 00

08180 Date : 02.10.98 20:57:57 LC : B IQ : 00
 Lat1 : 12.828N Lon1 : 61.126W
 168 615 119 177
 00 00

08180 Date : 03.10.98 01:18:13 LC : B IQ : 00
 Lat1 : 13.095N Lon1 : 61.264W
 167 2738 119 177
 00 00

08180 Date : 03.10.98 06:56:34 LC : A IQ : 00
 Lat1 : 12.841N Lon1 : 61.232W
 167 3120 345 61
 00 00

08180 Date : 03.10.98 08:31:19 LC : B IQ : 00
Lat1 : 12.818N Lon1 : 61.183W
167 05 345 (61)
00 02

08180 Date : 03.10.98 10:14:56 LC : B IQ : 00
Lat1 : 12.813N Lon1 : 61.129W
167 117 345 (61)
00 00

08180 Date : 03.10.98 11:06:31 LC : A IQ : 00
Lat1 : 12.831N Lon1 : 61.201W
167 24 345 (61)
00 00

08180 Date : 03.10.98 12:06:55 LC : A IQ : 00
Lat1 : 12.815N Lon1 : 61.181W
168 119 857 49812
02 06

08180 Date : 03.10.98 13:49:09 LC : A IQ : 08
Lat1 : 12.809N Lon1 : 61.198W
168 14 345 (61)
00 01

08180 Date : 03.10.98 18:07:23 LC : B IQ : 00
Lat1 : 12.796N Lon1 : 61.280W
168 858 209 (101)
00 00

08180 Date : 03.10.98 22:14:23 LC : A IQ : 08
Lat1 : 12.765N Lon1 : 61.362W
166 08 209 (101)
00 00

08180 Date : 03.10.98 23:08:47 LC : B IQ : 00
Lat1 : 12.838N Lon1 : 61.388W
166 612 209 (101)
00 00

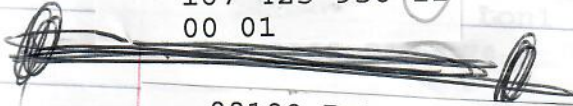
08180 Date : 04.10.98 08:20:07 LC : Z IQ : 10
Lat1 : 20.713N Lon1 : 96.656W Lat2 : 12.864N Lon2 : 61.068W
166 2465 8610 16566
00 00

*Street
fewer
dives*

08180 Date : 04.10.98 11:32:16 LC : B IQ : 00
Lat1 : 12.757N Lon1 : 61.198W
167 1125 418 (50)
00 00

08180 Date : 04.10.98 13:35:54 LC : A IQ : 00
Lat1 : 12.754N Lon1 : 61.330W
168 07 418 (50)
00 01

08180 Date : 05.10.98 11:09:24 LC : B IQ : 00
Lat1 : 12.716N Lon1 : 61.229W
167 425 956 (22)
00 01



08180 Date : 05.10.98 13:20:27 LC : B IQ : 00
Lat1 : 12.562N Lon1 : 61.238W
168 612 956 (22)
00 00

08180 Date : 05.10.98 17:46:33 LC : B IQ : 00
Lat1 : 12.663N Lon1 : 61.237W
168 430 539 (39)
00 02

60

08180 Date : 05.10.98 21:34:05 LC : B IQ : 00
Lat1 : 12.543N Lon1 : 61.349W
168 476 539 39
00 01

08180 Date : 06.10.98 06:17:17 LC : B IQ : 00
Lat1 : 12.548N Lon1 : 61.313W
167 722 618 34
00 00

08180 Date : 06.10.98 11:45:48 LC : B IQ : 00
Lat1 : 12.527N Lon1 : 61.394W
167 432 618 34
00 02

08180 Date : 06.10.98 19:11:30 LC : A IQ : 00
Lat1 : 12.487N Lon1 : 61.360W
167 2511 501 42
00 00

08180 Date : 06.10.98 23:40:56 LC : Z IQ : 10
Lat1 : 11.444N Lon1 : 65.522W
167 2750 501 13107
00 51

08180 Date : 08.10.98 00:57:12 LC : A IQ : 00
Lat1 : 12.572N Lon1 : 61.337W
167 2795 1617 13
00 00

08180 Date : 08.10.98 11:43:26 LC : 0 IQ : 60
Lat1 : 12.452N Lon1 : 61.204W
167 2067 1323 16
00 00

08180 Date : 09.10.98 07:22:28 LC : B IQ : 00
Lat1 : 12.555N Lon1 : 61.392W
167 3245 1325 16
00 00

> 08180 Date : 09.10.98 18:32:06 LC : B IQ : 00
> Lat1 : 12.283N Lon1 : 61.176W
> 168 928 1611 13
> 00 00

> 08180 Date : 09.10.98 20:17:09 LC : B IQ : 00
> Lat1 : 12.480N Lon1 : 61.370W
> 168 1732 1611 13
> 00 00

08180 Date : 10.10.98 23:48:23 LC : B IQ : 00
Lat1 : 12.482N Lon1 : 61.357W
168 2706 1616 13
00 00

08180 Date : 11.10.98 07:10:53 LC : B IQ : 00
Lat1 : 12.091N Lon1 : 60.926W
00 3487 1320 16
00 02

08180 Date : 11.10.98 13:51:09 LC : 1 IQ : 50
Lat1 : 17.764N Lon1 : 84.443W Lat2 : 12.487N Lon2 :
167 114 1320 16
00 00

08180 Date : 11.10.98 19:59:27 LC : A IQ : 08
Lat1 : 12.496N Lon1 : 61.380W
168 2066 1510 14
00 00

61

08180 Date : 12.10.98 06:59:42 LC : B IQ : 00
Lat1 : 11.662N Lon1 : 60.793W
00 3815 1627 13
00 00

08180 Date : 14.10.98 11:10:10 LC : 0 IQ : 60
Lat1 : 12.412N Lon1 : 61.560W
167 08 1762 12
00 00

08180 Date : 14.10.98 22:17:48 LC : B IQ : 00
Lat1 : 12.427N Lon1 : 61.397W
160 59719 640 33
03 63

08180 Date : 15.10.98 12:26:44 LC : B IQ : 00
Lat1 : 12.390N Lon1 : 61.169W
167 08 1415 15
00 02

08180 Date : 15.10.98 19:11:12 LC : B IQ : 00
Lat1 : 12.465N Lon1 : 61.337W
168 628 919 23
00 00

08180 Date : 16.10.98 10:31:37 LC : 0 IQ : 50
Lat1 : 12.470N Lon1 : 61.334W
167 07 1412 15
00 00

08180 Date : 16.10.98 12:14:32 LC : A IQ : 08
Lat1 : 12.484N Lon1 : 61.378W
167 06 1412 15
00 01

08180 Date : 16.10.98 19:00:15 LC : A IQ : 08
Lat1 : 12.484N Lon1 : 61.361W
167 2368 1408 567
00 36

08180 Date : 17.10.98 22:01:33 LC : Z IQ : 10
~~Lat1 : 10.706N Lon1 : 68.272W~~ Lat2 : 12.563N Lon2 : 61.272W
167 836 1238 17
00 00

08180 Date : 18.10.98 14:05:38 LC : B IQ : 00
Lat1 : 12.452N Lon1 : 61.516W
167 2884 1513 14
00 00

08180 Date : 19.10.98 12:06:09 LC : 0 IQ : 50
Lat1 : 12.515N Lon1 : 61.362W
166 2751 2120 10
00 32

08180 Date : 19.10.98 13:54:12 LC : B IQ : 00
Lat1 : 12.458N Lon1 : 61.441W
166 3168 2120 74
00 16

08180 Date : 20.10.98 13:35:28 LC : A IQ : 00
Lat1 : 12.502N Lon1 : 61.318W
167 1331 1926 11
00 00

08180 Date : 21.10.98 11:17:49 LC : B IQ : 00
Lat1 : 12.450N Lon1 : 61.450W
166 3320 34010 17
00 00

62

08180 Date : 21.10.98 23:04:05 LC : B IQ : 00
Lat1 : 12.479N Lon1 : 61.389W

166 2244 2336 09

00 00

08180 Date : 22.10.98 21:55:58 LC : B IQ : 00

Lat1 : 12.497N Lon1 : 61.305W

166 845 1051 20

00 00

08180 Date : 23.10.98 08:54:06 LC : B IQ : 00
Lat1 : 12.370N Lon1 : 61.231W

166 993 1758 12

00 00

08180 Date : 26.10.98 12:20:13 LC : 1 IQ : 60

Lat1 : 12.509N Lon1 : 61.365W

166 2440 1251 17

00 00

13 days MISSING

Date: Tue, 25 May 1999 10:48:01 -0400
From: "Dr. Julia A. Horrocks" <jahorrocks@sunbeach.net>
To: gbalazs@honlab.nmfs.hawaii.edu
Cc: lotus@sunbeach.net
Subject: Satellite turtle and FP

Hi George,

Lotus told me over the weekend what had happened to 8180, and I just got your email re 8180. I have contacted Hedely Guada and a fisheries biologist in Venezuela to see if they can find out what happened and perhaps even recover the transmitter. Who knows? I would have though 8180 was the safest...she was in the only location where sea turtles are totally protected. Just shows you!

Lotus and Kirtis caught a couple of greens today and one had what looked like the beginnings of an eye tumour and a grey patch on the flipper. They took photos and I am attaching them for you to diagnose!

Take care
Julia

08180 Date : 10.10.98 21:48:00 LC : B IQ : 00
Lat1 : 12.479N Lon1 : 61.389W

166 2705 1615 13

00 00

08180 Date : 11.10.98 07:10:53 LC : B IQ : 00

166 3487 1320 08

00 00

08180 Date : 11.10.98 13:51:09 LC : B IQ : 00

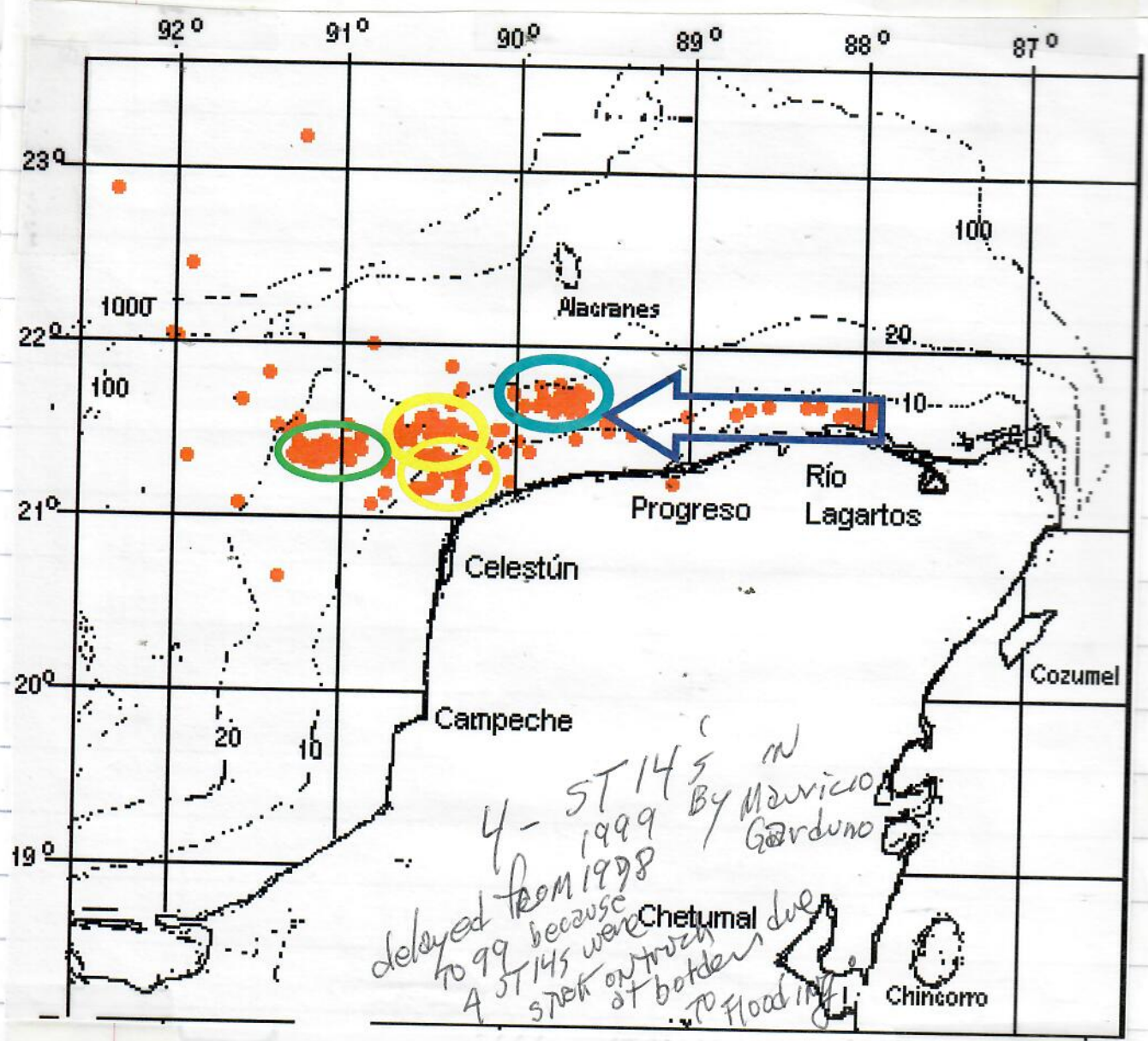
167 1

00 00

08180 Date : 11.10.98 19:33:27 LC : B IQ : 00

166 2066 1510 14

00 00



4 - ST 14^s n
 1999 By Mervicio Garduno
 delayed from 1998
 because A ST 145 were
 stuck at border
 Chetumal due
 to flood in

67

On Fri, 14 Jul 2000, Jennifer Sparks wrote:

> HI Barb,
>
> As requested, the deployment locations for the below listed IDs have been
> entered into the system.
>
> Enjoy your weekend!
> Jennifer

> -----Original Message-----
> From: Barbara Schroeder [mailto:Barbara.Schroeder@noaa.gov]
> Sent: Friday, July 14, 2000 8:50 AM
> To: Useroffice ARGOS
> Cc: David Godfrey; George Balazs
> Subject: Deployment of PTT's

>
> Hi,
>
> The following four PTT i.d. numbers will be deployed beginning July
> 18th. This is a joint project so two different accounts are involved:
>
> The deploy location for all four is: 10.65'N 083.55'W

> IN ANNE MEYLAN PROGRAM:
> 19692
> 19696
> 19697

> IN GEORGE BALAZS PROGRAM 9096:
> 22126

> Thanks! Barbara Schroeder

BRENDA R. BURGER
923 East Impala Ave.
Mesa, AZ 85204
EMAIL brenda@telonics.com
PHONE (480) 892-4444 ext 107

Hi Barbara,

The 9 units were shipped to Blair Worthington in Florida on 9/2/99.

This was the shipment that I sent to the incorrect address as I was out of town

when you left the voice mail message requesting I send them to George.

From reviewing the past correspondence, I believe you sent the units to George.

The duty cycle is 9 on / 3 off and the system numbers are

ID CODE / SYSTEM NUMBER

7665 /	439112A
7677 /	439136A
7681 /	439146A
7687 /	439150A
25666 /	439152A
25667 /	439155A
25671 /	439158A
25673 /	439165A
25675 /	439167A

Caribbean Year II
N. Jamaica
Carriacou
Grenada
Nicaragua
Belize

My records show the i.d. numbers I gave to Brenda for these are:

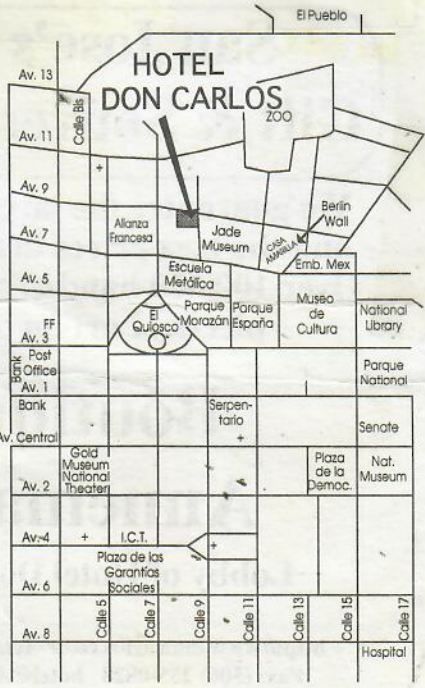
- 07665
- 07677
- 07681
- 07687
- 25666
- 25667
- 25671
- 25673
- 25675

Jamaica
Carriacou + 2nd one from JAS program to Carriacou =
IN my office as of 5/99
Nicaragua
Belize

69

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and
see us.**

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the year from
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until
7:00 p.m.
including
Sunday's and
all holidays**



Hansa

PESO TOTAL	VUELTO
TORTUGUERO	Nº



Limón Awash Again

p.3 7-14-00 TICO TIMES

THE Caribbean port city of Limón has been plagued by heavy rains over the past few weeks that caused serious flooding, closed highways and caused at least one death, reported the daily newspapers.

According to the Red Cross, in some sectors of town water levels reached a height of a meter and a half the weekend of July 1-2. Calling it the strongest rainstorm of the year, the National Meteorology Institute reported that some 160 cubic millimeters of water fell in just 12 hours — the usual accumulation for a week during this period.

Keilor Piedra, 24, died of electrocution while helping a mechanic at a local auto body shop move some compressors, one of which was still connected.

At least 200 houses were flooded, but only 20 sustained damage, which was minor, police said. Just south of Limón, the Bananito River washed away part of the main highway, interrupting traffic to Cahuita and Puerto Viejo. The National

Emergency Commission declared a nationwide state of alert. The effect of the storm was felt mostly on the Caribbean side.

THIS past weekend, storms caused another round of landslides along the main highway that connects Limón with the Central Valley and runs through Braulio Carrillo National Park. Traffic along the highway was restricted due to three major slides near the Sucio River through Sunday.

The highway closure caused problems for the hundreds of people participating in the 2000 National Games, held this year near the Caribbean slope town of Guápiles. Travelers were forced to use alternative routes through Heredia and Turrialba.

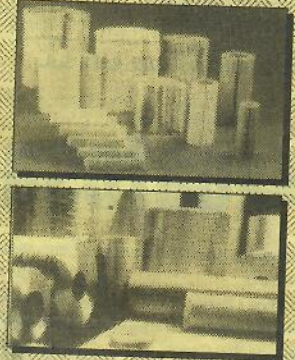
The Revantazón, Chirripó, Pacuare and Sucio Rivers were at dangerously high levels, and on the Bribri Indian reserve there was a landslide, but no one was hurt, officials said.

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71

7-16-00

Earthquakes *THA*



Two powerful earthquakes that rocked Nicaragua's La Laguna de Apoyo region killed at least seven people and injured scores of others. Officials estimate that at least 1,500 homes in the area 20 miles southeast of Managua were damaged by the shaking.

■ At least 64 people in Indonesia were injured when a magnitude 5.2 earthquake rocked the island of Java. Many of the victims were injured as roofs and walls were leveled by the shaking, which is reported to have also caused cars to collide.

■ One person in Istanbul was killed and at least 34 others hospitalized with injuries when a magnitude 4.4 earthquake hit the region.

■ Earth movements also were felt in Sumatra, Taiwan, Japan, Tibet, Austria and Alaska's Kodiak Island.



Caribbean Conservation Corporation

4424 N.W. 13th Street, Suite A-1

Gainesville, Florida 32609

(352) 373-6441, (800) 678-7853 Fax: (352) 375-2449

E-mail: ccc@cccturtle.org

English

What you are witnessing is the attachment of a satellite transmitter on the carapace of a sea turtle. Once back in the sea, the transmitter will send a signal to a satellite, each time the turtle surfaces to breath, indicating the position of the turtle. The information will be displayed on a map at the Caribbean Conservation Corporation web page (www.cccturtle.org) where you can follow the turtle's path as it swims around the Caribbean.

This research is conducted to increase sea turtle awareness and also in order to find out the exact migration paths of the sea turtles once they leave Tortuguero. The data will help us identify the corridors used by sea turtles in their migrations and also help set priorities for designing protected areas. The turtle you see was restrained after it had completed nesting and is held only for the attachment process. It will be released into the water as soon as possible. All necessary permits for carrying out this research were solicited from and issued by the Costa Rican Ministry of the Environment and Energy (MINAE).

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8

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Bakery to toast
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area of package
is constant
area

Costa Rica

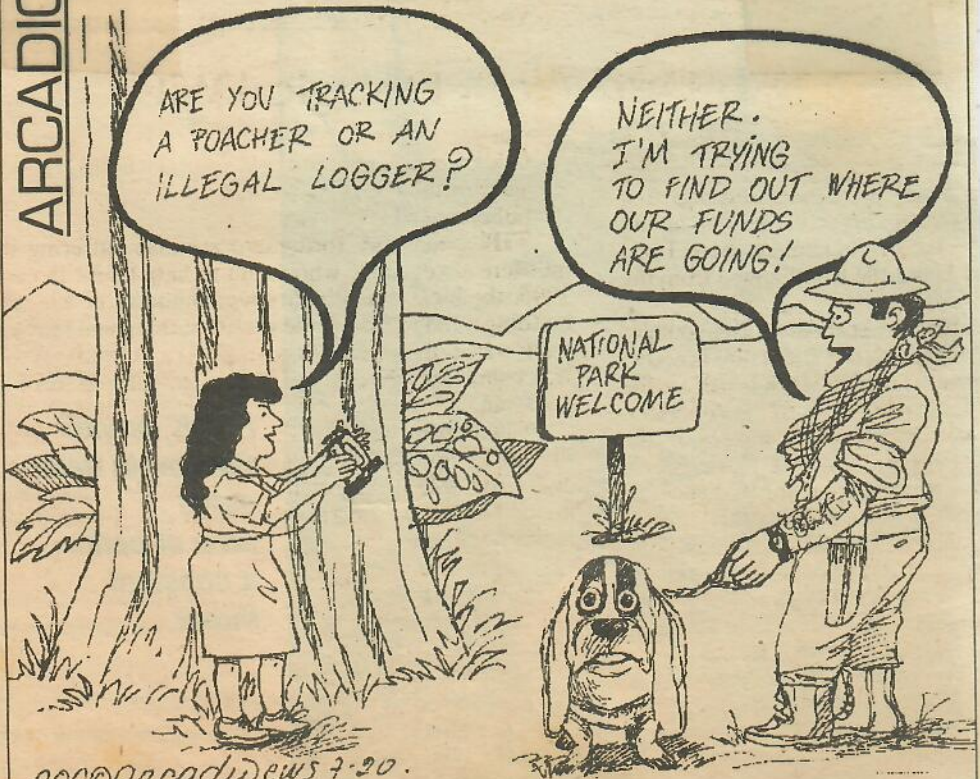


Jean Sorein

ARCADIO

ARE YOU TRACKING A POACHER OR AN ILLEGAL LOGGER?

NEITHER. I'M TRYING TO FIND OUT WHERE OUR FUNDS ARE GOING!



2000@arcadiodews 7-20.

CoTOS partner
overseeing
Barbados
Turtle project

BARRY KRUEGER

BELLAIRS INSTITUTE

HOLE TOWN

ST JAMES

BARBADOS PH. 246 422 2087

Sent

Kirsten Dahlen

Jumby Bay

PO Box 243

St. Johns, Antigua, West Indies

dendrobates@hotmail.com

Send either
FP or articles
+ d. w. w. w. w.

Sent

"Wanzanillo" tree - poisonous fruit (looks like
small apple)
Leaves/sap can be irritating.

Does this affect hatchlings, adult nesters, eggs?
Does this PROTECT against predators - Ant
Nagouse, etc?

Herron Bay

8/1/98 SATURDAY 96

ID 8207

Drew Barrymore

EGGS

3rd lay

9am/30th

TO 283

T 0282

TAGGED

THIS SEASON

Sys. No. 407431A

START SANDING 5:30 AM

CCL 88.0 cm

6:25 AM done w/ first coat

6:50 AM 2nd Resin

GPS = 13°11.731 N

59°38.446 W

Herron ~~Bay~~ Bay ^{Beach}
Released = ~ 8 AM 8/1/98 Saturday

Magnet off 0130 8/1^{Sat}/98

U.S. Embassy Gallagher

person came w/ 3 kids, wife.
AM ST14 ^{slightly} higher in anterior.
Cigar ("Castro") rolled with keelers. +
Two keelers 1.5" wide along anterior
for protection of front of transmitter.

After dive through crowd of emigration with night - before celebration

20 Indonesia ^{feeding}
dorsal ^{bleached}
Peeling 4-5th ^{scutes}

08207 Date : 31.07.98 07:01:53 LC : Z IQ : 10
Lat1 : 10.375N Lon1 : 45.835W Lat2 : 16.999N Lon2 : 74.944W
161 136 37154 25804
02 25

08207 Date : 31.07.98 09:43:56 LC : Z IQ : 61
Lat1 : 13.079N Lon1 : 59.613W Lat2 : 10.412N Lon2 : 47.475W
161 00 00 00
00 00

08207 Date : 31.07.98 10:26:59 LC : 1 IQ : 60
Lat1 : 13.074N Lon1 : 59.618W Lat2 : 5.094N Lon2 : 24.292W
162 00 00 00
00 00

08207 Date : 01.08.98 06:47:33 LC : 3 IQ : 60
Lat1 : 13.082N Lon1 : 59.620W Lat2 : 12.177N Lon2 : 55.667W
163 00 00 00
01 39

08207 Date : 01.08.98 09:19:27 LC : 1 IQ : 58
Lat1 : 13.114N Lon1 : 59.575W Lat2 : 8.061N Lon2 : 36.857W
164 76 35217 8740
01 12

08207 Date : 01.08.98 11:43:39 LC : Z IQ : 10
Lat1 : 13.574N Lon1 : 61.120W Lat2 : 13.398N Lon2 : 60.329W
177 00 00 00
00 00

08207 Date : 01.08.98 09:19:27 LC : 1 IQ : 58
Lat1 : 13.114N Lon1 : 59.575W Lat2 : 8.061N Lon2 : 36.857W
164 76 35217 8740
01 12

08207 Date : 01.08.98 11:43:39 LC : Z IQ : 10
Lat1 : 13.574N Lon1 : 61.120W Lat2 : 13.398N Lon2 : 60.329W
177 00 00 00
00 00

08207 Date : 01.08.98 20:24:40 LC : A IQ : 00
Lat1 : 13.221N Lon1 : 59.635W Lat2 : 22.018N Lon2 : 18.835W
165 1287 623 15
00 00

08207 Date : 01.08.98 22:47:19 LC : A IQ : 00
Lat1 : 13.190N Lon1 : 59.651W Lat2 : 16.649N Lon2 : 43.975W
165 1498 623 15
00 00

08207 Date : 02.08.98 06:34:37 LC : B IQ : 00
Lat1 : 13.191N Lon1 : 59.583W Lat2 : 11.027N Lon2 : 50.237W
00 2430 1610 13
00 03

08207 Date : 02.08.98 11:41:50 LC : B IQ : 00
Lat1 : 13.193N Lon1 : 59.699W Lat2 : 5.724N Lon2 : 27.353W
165 1211 1610 13
00 00

99

08207 Date : 03.08.98 12:32:34 LC : B IQ : 00
Lat1 : 13.363N Lon1 : 59.783W Lat2 : 20.300N Lon2 : 20.300
166 1208 1393 (15)
00 00

08207 Date : 03.08.98 17:35:14 LC : A IQ : 00
Lat1 : 13.274N Lon1 : 59.582W Lat2 : 19.979N Lon2 : 19.979
166 1728 775 (27)
00 00

08207 Date : 04.08.98 21:45:24 LC : B IQ : 00
Lat1 : 13.230N Lon1 : 59.685W Lat2 : 23.404N Lon2 : 23.404
166 2141 1007 (21)
00 00

08207 Date : 05.08.98 23:53:25 LC : (1) IQ : 60
Lat1 : 13.202N Lon1 : 59.638W Lat2 : 17.303N Lon2 : 41.950
166 2502 956 (22)

08207 Date : 06.08.98 12:26:15 LC : (1) IQ : 60
Lat1 : 13.205N Lon1 : 59.672W Lat2 : 11.260N Lon2 : 51.300
167 05 1904 (11)

08207 Date : 06.08.98 18:48:02 LC : Z IQ : 10
Lat1 : 13.216N Lon1 : 59.714W Lat2 : 12.433N Lon2 : 62.300
166 2248 1739 (12)

08207 Date : 06.08.98 22:37:05 LC : B IQ : 00
Lat1 : 13.194N Lon1 : 59.635W Lat2 : 17.688N Lon2 : 39.300
166 1977 1739 (12)

08207 Date : 07.08.98 08:48:25 LC : B IQ : 00
Lat1 : 13.195N Lon1 : 59.617W Lat2 : 4.937N Lon2 : 21.470
166 2242 1744 (12)

08207 Date : 08.08.98 12:24:00 LC : 0 IQ : 60
Lat1 : 13.211N Lon1 : 59.623W Lat2 : 18.747N Lon2 : 84.200
167 1961 1743 (12)

08207 Date : 08.08.98 18:18:00 LC : B IQ : 00
Lat1 : 13.172N Lon1 : 59.617W Lat2 : 15.084N Lon2 : 51.300
166 2300 995 (21)

08207 Date : 09.08.98 11:49:33 LC : A IQ : 00
Lat1 : 13.214N Lon1 : 59.653W Lat2 : 6.963N Lon2 : 33.100
166 06 1494 (14)

08207 Date : 09.08.98 11:49:33 LC : A IQ : 00
Lat1 : 13.214N Lon1 : 59.653W Lat2 : 6.963N Lon2 : 33.100
166 06 1494 (14)

08207 Date : 09.08.98 18:13:18 LC : A IQ : 00
Lat1 : 13.194N Lon1 : 59.699W Lat2 : 16.410N Lon2 : 45.800
167 2323 61447 63491
03 63

08207 Date : 12.08.98 21:22:39 LC : (2) IQ : 60
Lat1 : 13.197N Lon1 : 59.643W Lat2 : 15.977N Lon2 : 46.880
165 07 687 (31)

08207 Date : 15.08.98 07:31:46 LC : (3) IQ : 60
Lat1 : 13.230N Lon1 : 59.646W
161 64 344 62

08207 Date : 15.08.98 11:36:35 LC : B IQ : 00
Lat1 : 13.091N Lon1 : 59.230W
167 729 344 62
00 00

08207 Date : 15.08.98 12:13:10 LC : B IQ : 00
Lat1 : 13.160N Lon1 : 59.763W

167 1072 344 62

08207 Date : 15.08.98 22:35:38 LC : B IQ : 00

Lat1 : 13.162N Lon1 : 59.633W

166 2673 316 60

08207 Date : 16.08.98 12:00:51 LC : B IQ : 00

Lat1 : 13.240N Lon1 : 59.617W

166 2275 1515 14

08207 Date : 17.08.98 23:05:52 LC : B IQ : 00

Lat1 : 13.206N Lon1 : 59.618W

167 2384 815 26

08207 Date : 18.08.98 18:05:25 LC : B IQ : 00

Lat1 : 13.097N Lon1 : 59.611W

167 2538 964 22

08207 Date : 19.08.98 11:01:38 LC : B IQ : 00

Lat1 : 13.215N Lon1 : 59.642W

167 1329 1920 11

08207 Date : 19.08.98 11:01:38 LC : B IQ : 00

Lat1 : 13.215N Lon1 : 59.642W

167 1329 1920 11

08207 Date : 19.08.98 22:53:57 LC : B IQ : 00

Lat1 : 13.201N Lon1 : 59.630W

167 2608 967 22

08207 Date : 20.08.98 06:31:24 LC : B IQ : 00

Lat1 : 13.231N Lon1 : 59.679W

00 2347 1919 11

00 02

08207 Date : 20.08.98 13:04:34 LC : B IQ : 00

Lat1 : 13.218N Lon1 : 59.674W

167 1133 1919 11

08207 Date : 21.08.98 22:11:38 LC : B IQ : 00

Lat1 : 13.229N Lon1 : 59.594W

167 2139 1170 18

08207 Date : 22.08.98 06:15:57 LC : A IQ : 00

Lat1 : 13.181N Lon1 : 59.669W

167 2472 1246 17

08207 Date : 22.08.98 17:32:04 LC : A IQ : 08

Lat1 : 13.146N Lon1 : 59.836W

167 12 921 23

00 01

08207 Date : 24.08.98 11:42:17 LC : B IQ : 00

Lat1 : 14.044N Lon1 : 61.264W

168 2763 1181 18

08207 Date : 24.08.98 13:49:58 LC : B IQ : 00

Lat1 : 13.160N Lon1 : 59.547W

167 2038 1181 18

00 00

08207 Date : 29.08.98 10:43:00 LC : 2 IQ : 60

Lat1 : 13.195N Lon1 : 59.654W

167 25 1523 14

00 00

107

08207 Date : 29.08.98 11:27:25 LC : (3) IQ : 68
Lat1 : 13.183N Lon1 : 59.662W

169 56 1523 14
00 00

08207 Date : 29.08.98 12:41:30 LC : (1) IQ : 58
Lat1 : 13.162N Lon1 : 59.687W

170 31 1523 14
00 01

08207 Date : 29.08.98 17:50:37 LC : (2) IQ : 68
Lat1 : 13.106N Lon1 : 59.738W

171 43 80 262
00 01

08207 Date : 29.08.98 19:30:32 LC : (3) IQ : 68
Lat1 : 13.083N Lon1 : 59.770W

171 37 80 262
00 00

08207 Date : 29.08.98 22:33:54 LC : A IQ : 08
Lat1 : 13.036N Lon1 : 59.819W

168 32 80 262
00 00

08207 Date : 29.08.98 23:54:09 LC : (2) IQ : 58
Lat1 : 13.020N Lon1 : 59.837W

168 106 80 262
00 00

08207 Date : 30.08.98 00:12:54 LC : (1) IQ : 56
Lat1 : 13.026N Lon1 : 59.839W

168 21 80 262
00 00

08207 Date : 30.08.98 01:34:45 LC : A IQ : 08
Lat1 : 13.000N Lon1 : 59.884W

168 42 80 262
00 00

08207 Date : 30.08.98 06:25:21 LC : A IQ : 08
Lat1 : 12.961N Lon1 : 59.988W

168 104 69 299
00 00

08207 Date : 30.08.98 08:09:44 LC : B IQ : 00
Lat1 : 12.947N Lon1 : 60.013W

168 130 69 299
00 01

08207 Date : 30.08.98 08:37:58 LC : A IQ : 08
Lat1 : 12.923N Lon1 : 59.987W

168 19 69 299
00 01

08207 Date : 30.08.98 10:19:54 LC : A IQ : 08
Lat1 : 12.915N Lon1 : 60.065W

168 88 69 299
00 00

08207 Date : 30.08.98 11:05:08 LC : (2) IQ : 58
Lat1 : 12.911N Lon1 : 60.078W

169 64 00 00
00 00

08207 Date : 30.08.98 12:29:02 LC : B IQ : 00
Lat1 : 12.914N Lon1 : 60.132W

170 120 69 299
00 00

08207 Date : 30.08.98 12:44:59 LC : B IQ : 00
Lat1 : 12.895N Lon1 : 60.101W

170 42 69 299
00 00

08207 Date : 30.08.98 17:40:36 LC : A IQ : 08

Lat1 : 12.865N Lon1 : 60.209W

171 81 75 275

00 00

08207 Date : 30.08.98 19:17:27 LC : (1) IQ : 58

Lat1 : 12.860N Lon1 : 60.240W

169 108 75 275

00 00

08207 Date : 30.08.98 21:27:21 LC : B IQ : 00

Lat1 : 12.850N Lon1 : 60.294W

169 88 1387 24916

00 10

08207 Date : 30.08.98 22:08:05 LC : B IQ : 00

Lat1 : 12.844N Lon1 : 60.273W

169 64 75 275

00 00

08207 Date : 30.08.98 23:56:47 LC : B IQ : 00

Lat1 : 12.792N Lon1 : 60.243W

168 1276 75 275

00 00

08207 Date : 31.08.98 07:56:14 LC : B IQ : 00

Lat1 : 12.697N Lon1 : 60.490W

167 1516 127 163

01 00

08207 Date : 31.08.98 09:59:25 LC : 1 IQ : 50

Lat1 : 12.673N Lon1 : 60.512W

168 68 127 163

00 00

08207 Date : 31.08.98 10:43:43 LC : A IQ : 08

Lat1 : 12.661N Lon1 : 60.522W

160 41004 44501 27349

02 46

08207 Date : 31.08.98 11:38:55 LC : B IQ : 00

Lat1 : 12.644N Lon1 : 60.530W

169 90 127 163

00 00

08207 Date : 31.08.98 12:17:27 LC : (3) IQ : 68

Lat1 : 12.641N Lon1 : 60.553W

169 06 127 163

00 00

08207 Date : 31.08.98 12:21:25 LC : (1) IQ : 56

Lat1 : 12.647N Lon1 : 60.552W

169 31 127 163

00 00

08207 Date : 31.08.98 14:01:13 LC : B IQ : 00

Lat1 : 12.624N Lon1 : 60.622W

170 96 127 163

00 00

08207 Date : 31.08.98 21:07:38 LC : B IQ : 00

Lat1 : 12.488N Lon1 : 60.814W

168 244 92 225

00 00

08207 Date : 01.09.98 06:05:27 LC : A IQ : 00

Lat1 : 12.334N Lon1 : 61.037W

167 142 145 143

00 01

08207 Date : 01.09.98 09:34:22 LC : A IQ : 08

Lat1 : 12.228N Lon1 : 61.125W

168 81 145 143

00 01

102
807

103

08207 Date : 01.09.98 10:20:29 LC : B IQ : 00
Lat1 : 12.206N Lon1 : 61.134W
167 57 145 143
00 00

08207 Date : 01.09.98 11:13:17 LC : B IQ : 00
Lat1 : 12.152N Lon1 : 61.118W
168 81 177 32941
00 00

08207 Date : 01.09.98 09:34:22 LC : A IQ : 08
Lat1 : 12.228N Lon1 : 61.125W
168 81 145 143
00 01

08207 Date : 01.09.98 10:20:29 LC : B IQ : 00
Lat1 : 12.206N Lon1 : 61.134W
167 57 145 143
00 00

08207 Date : 01.09.98 11:13:17 LC : B IQ : 00
Lat1 : 12.152N Lon1 : 61.118W
168 81 177 32941
00 00

08207 Date : 01.09.98 12:00:52 LC : A IQ : 08
Lat1 : 12.118N Lon1 : 61.143W
168 104 145 143
00 00

08207 Date : 01.09.98 18:57:06 LC : A IQ : 08
Lat1 : 11.873N Lon1 : 61.321W
171 88 78 271
00 00

08207 Date : 01.09.98 20:42:55 LC : B IQ : 00
Lat1 : 11.862N Lon1 : 61.358W
167 87 78 271
00 00

08207 Date : 02.09.98 11:49:47 LC : B IQ : 00
Lat1 : 11.521N Lon1 : 61.402W
167 363 162 128
00 00

08207 Date : 02.09.98 13:34:25 LC : B IQ : 00
Lat1 : 11.480N Lon1 : 61.501W
168 82 162 128
00 00

08207 Date : 02.09.98 18:45:41 LC : 0 IQ : 50
Lat1 : 11.547N Lon1 : 61.374W
168 12 137 152
00 01

08207 Date : 03.09.98 00:26:35 LC : 1 IQ : 50
Lat1 : 11.435N Lon1 : 61.476W
165 14 137 152
00 00

08207 Date : 03.09.98 07:23:26 LC : 2 IQ : 68
Lat1 : 11.356N Lon1 : 61.510W
165 29 181 115
00 01

08207 Date : 03.09.98 10:31:21 LC : A IO : 08
Lat1 : 11.331N Lon1 : 61.556W
166 61 181 115
00 00

08207 Date : 03.09.98 11:16:59 LC : 3 IQ : 68
Lat1 : 11.331N Lon1 : 61.572W
166 79 181 115
00 01

104

08207 Date : 03.09.98 11:43:09 LC : B IQ : 00
Lat1 : 11.339N Lon1 : 61.578W
167 51 181 (115)

08207 Date : 03.09.98 11:43:09 LC : B IQ : 00
Lat1 : 11.339N Lon1 : 61.578W
167 51 181 (115)

08207 Date : 03.09.98 13:17:53 LC : A IQ : 08
Lat1 : 11.287N Lon1 : 61.546W
167 35 181 (115)

08207 Date : 03.09.98 18:37:08 LC : (1) IQ : 58
Lat1 : 11.284N Lon1 : 61.738W
165 19 101 (208)

08207 Date : 03.09.98 21:38:30 LC : (1) IQ : 58
Lat1 : 11.234N Lon1 : 61.802W
164 35 101 (208)

08207 Date : 03.09.98 22:19:03 LC : B IQ : 00
Lat1 : 11.217N Lon1 : 61.819W
163 26 101 (208)

08207 Date : 04.09.98 00:02:22 LC : (3) IQ : 68
Lat1 : 11.203N Lon1 : 61.867W
159 16 101 (208)

08207 Date : 04.09.98 10:11:04 LC : 0 IQ : 58
Lat1 : 11.078N Lon1 : 61.951W
164 29 200 (104)

08207 Date : 04.09.98 12:33:36 LC : A IQ : 00
Lat1 : 11.076N Lon1 : 61.993W
164 51 200 104

08207 Date : 04.09.98 18:24:30 LC : (1) IQ : 58
Lat1 : 11.005N Lon1 : 61.969W
165 55 122 173

08207 Date : 04.09.98 20:04:52 LC : (1) IQ : 58
Lat1 : 10.986N Lon1 : 61.948W
164 51 122 173

08207 Date : 04.09.98 23:00:38 LC : B IQ : 00
Lat1 : 10.966N Lon1 : 61.910W
164 1547 122 173

08207 Date : 05.09.98 07:01:24 LC : A IQ : 00
Lat1 : 10.469N Lon1 : 60.081W Lat2 : 10.874N Lon2 : 61.806W
157 68 127 164

08207 Date : 05.09.98 11:26:25 LC : B IQ : 00
Lat1 : 10.836N Lon1 : 61.759W
162 1876 127 164

08207 Date : 05.09.98 12:09:45 LC : B IQ : 00
Lat1 : 10.826N Lon1 : 61.734W
164 16 127 164
00 05

105

08207 Date : 06.09.98 01:51:18 LC : B IQ : 00
Lat1 : 10.752N Lon1 : 61.614W
157 2240 174 120
00 01

08207 Date : 06.09.98 10:08:55 LC : B IQ : 00
Lat1 : 10.754N Lon1 : 61.598W
156 523 351 61
00 00

08207 Date : 06.09.98 11:10:47 LC : B IQ : 00
Lat1 : 10.758N Lon1 : 61.583W
160 1128 351 61
00 00

08207 Date : 06.09.98 11:47:14 LC : Z IQ : 10
Lat1 : 11.605N Lon1 : 64.487W
160 10 351 61
00 01

08207 Date : 06.09.98 12:44:33 LC : B IQ : 00
Lat1 : 10.754N Lon1 : 61.549W
160 1629 351 61
00 00

08207 Date : 07.09.98 14:09:30 LC : A IQ : 00
Lat1 : 10.818N Lon1 : 61.190W
159 61 300 71
00 00

08207 Date : 07.09.98 22:37:18 LC : B IQ : 00
Lat1 : 10.850N Lon1 : 61.108W
159 896 358 59
00 00

08207 Date : 07.09.98 23:47:09 LC : B IQ : 00
Lat1 : 10.820N Lon1 : 61.112W
159 944 358 59
00 00

08207 Date : 08.09.98 11:09:50 LC : B IQ : 00
Lat1 : 10.854N Lon1 : 60.945W
163 881 241 87
00 01

08207 Date : 08.09.98 11:09:50 LC : B IQ : 00
Lat1 : 10.854N Lon1 : 60.945W
163 881 241 87
00 01

08207 Date : 08.09.98 12:18:11 LC : B IQ : 00
Lat1 : 10.847N Lon1 : 60.911W
163 226 241 87
00 01

08207 Date : 08.09.98 21:31:57 LC : Z IQ : 10
Lat1 : 13.949N Lon1 : 48.493W Lat2 : 10.846N Lon2 : 60.5
162 15 295 72
00 00

08207 Date : 08.09.98 22:11:56 LC : A IQ : 00
Lat1 : 11.007N Lon1 : 60.852W
162 1130 295 72
00 00

08207 Date : 08.09.98 23:57:16 LC : Z IQ : 10
Lat1 : 7.392N Lon1 : 73.308W Lat2 : 10.694N Lon2 : 60.449W
163 2066 295 72
00 00

08207 Date : 09.09.98 12:27:10 LC : 0 IQ : 50
Lat1 : 10.833N Lon1 : 60.874W
163 996 772 27
00 00

08207 Date : 09.09.98 17:30:59 LC : B IQ : 00
Lat1 : 10.860N Lon1 : 60.899W
00 61 823 25
00 10

08207 Date : 09.09.98 19:08:47 LC : A IQ : 00
Lat1 : 10.866N Lon1 : 60.894W
163 1489 823 25
00 00

08207 Date : 09.09.98 23:34:38 LC : Z IQ : 10
Lat1 : 10.305N Lon1 : 62.757W Lat2 : 10.875N Lon2 : 60.748W
163 1664 823 25
00 00

08207 Date : 09.09.98 21:07:37 LC : 1 IQ : 68
Lat1 : 10.853N Lon1 : 60.910W
163 1629 823 25
00 00

08207 Date : 10.09.98 09:44:05 LC : B IQ : 00
Lat1 : 10.796N Lon1 : 60.878W
163 3236 1610 13
00 00

08207 Date : 10.09.98 11:53:57 LC : A IQ : 00
Lat1 : 10.867N Lon1 : 60.877W
163 1899 1610 13
00 00

08207 Date : 10.09.98 22:19:39 LC : B IQ : 00
Lat1 : 10.791N Lon1 : 60.932W
164 2395 1233 17
00 00

08207 Date : 12.09.98 18:31:41 LC : B IQ : 00
Lat1 : 10.836N Lon1 : 60.848W
164 1823 1495 14
00 00

08207 Date : 13.09.98 00:04:19 LC : 1 IQ : 50
Lat1 : 6.899N Lon1 : 78.493W
163 1766 1495 14
00 00

need

08207 Date : 13.09.98 18:19:19 LC : Z IQ : 10
Lat1 : 13.956N Lon1 : 48.698W Lat2 : 10.779N Lon2 : 60.789W
163 1471 1302 16
00 00

08207 Date : 13.09.98 21:14:22 LC : A IQ : 00
Lat1 : 10.837N Lon1 : 60.952W
164 1663 1302 16
00 00

08207 Date : 14.09.98 00:03:23 LC : A IQ : 00
Lat1 : 10.825N Lon1 : 60.820W
163 1288 1302 16
00 00

08207 Date : 15.09.98 09:31:18 LC : 2 IQ : 60
Lat1 : 10.844N Lon1 : 60.891W
164 22 666 31
00 00

107

08207 Date : 15.09.98 12:29:24 LC : B IQ : 00
Lat1 : 10.888N Lon1 : 60.821W
164 1586 666 31
00 00

08207 Date : 15.09.98 20:36:41 LC : A IQ : 08
Lat1 : 10.867N Lon1 : 60.803W
164 752 690 30
00 00

08207 Date : 16.09.98 01:24:48 LC : 1 IQ : 60
Lat1 : 10.858N Lon1 : 60.887W
163 5242 41651 17438
00 00

08207 Date : 16.09.98 11:27:58 LC : Z IQ : 10
Lat1 : 9.588N Lon1 : 55.775W
163 07 1141 18
00 01

08207 Date : 16.09.98 17:55:26 LC : B IQ : 00
Lat1 : 10.860N Lon1 : 60.910W
00 1597 825 25
00 04

08207 Date : 16.09.98 22:39:53 LC : A IQ : 00
Lat1 : 10.837N Lon1 : 60.980W
164 1839 825 25
00 00

08207 Date : 17.09.98 01:07:10 LC : B IQ : 00
Lat1 : 10.854N Lon1 : 60.881W
164 1735 825 25
00 00

08207 Date : 17.09.98 08:05:55 LC : B IQ : 00
Lat1 : 10.913N Lon1 : 60.931W
163 181 890 151
00 17

08207 Date : 17.09.98 12:47:02 LC : B IQ : 00
Lat1 : 10.856N Lon1 : 60.903W
164 1753 891 23
00 00

08207 Date : 17.09.98 13:44:47 LC : A IQ : 00
Lat1 : 10.856N Lon1 : 60.840W
163 1659 891 23
00 00

08207 Date : 17.09.98 19:25:12 LC : Z IQ : 10
Lat1 : 6.655N Lon1 : 76.540W Lat2 : 10.850N Lon2 : 60.776W
162 15 595 35
00 01

08207 Date : 17.09.98 21:34:35 LC : Z IQ : 10
Lat1 : 14.035N Lon1 : 49.885W Lat2 : 10.654N Lon2 : 61.110W
163 1727 65535 65535
03 63

08207 Date : 17.09.98 23:17:13 LC : A IQ : 00
Lat1 : 10.777N Lon1 : 60.890W
163 08 595 35
00 02

08207 Date : 17.09.98 23:50:47 LC : 0 IQ : 50
Lat1 : 10.960N Lon1 : 60.698W
163 07 595 35
00 00

08207 Date : 18.09.98 11:42:24 LC : B IQ : 00
 Lat1 : 10.950N Lon1 : 60.908W
 161 1516 588 35
 00 00

08207 Date : 18.09.98 11:42:24 LC : B IQ : 00
 Lat1 : 10.950N Lon1 : 60.908W
 161 1516 588 35
 00 00

08207 Date : 18.09.98 21:06:30 LC : B IQ : 00
 Lat1 : 10.802N Lon1 : 60.926W
 162 1834 1149 18
 00 00

08207 Date : 20.09.98 10:54:07 LC : B IQ : 00
 Lat1 : 10.751N Lon1 : 60.723W
 164 1650 532 39
 00 00

08207 Date : 22.09.98 01:48:14 LC : 1 IQ : 50
 Lat1 : 10.878N Lon1 : 60.893W
 162 62 1229 17
 00 00

08207 Date : 26.09.98 06:28:31 LC : 2 IQ : 60
 Lat1 : 10.865N Lon1 : 60.895W
 162 1631 574 36
 00 00

08207 Date : 28.09.98 20:45:29 LC : 1 IQ : 60
 Lat1 : 10.845N Lon1 : 60.894W
 161 124 1305 16
 00 00

08207 Date : 28.09.98 23:12:18 LC : 1 IQ : 58
 Lat1 : 10.856N Lon1 : 60.909W
 160 2195 1305 16
 00 00

08207 Date : 29.09.98 22:04:37 LC : 1 IQ : 50
 Lat1 : 10.866N Lon1 : 60.892W
 161 10 864 24
 00 01

08207 Date : 30.09.98 12:49:31 LC : 0 IQ : 60
 Lat1 : 10.842N Lon1 : 60.894W
 160 1740 765 27
 00 00

08207 Date : 30.09.98 21:45:06 LC : 0 IQ : 50
 Lat1 : 10.880N Lon1 : 60.880W
 158 1956 986 21
 00 00

08207 Date : 01.10.98 23:51:36 LC : 0 IQ : 60
 Lat1 : 10.753N Lon1 : 60.572W
 160 2004 712 29
 00 00

08207 Date : 02.10.98 20:56:20 LC : 0 IQ : 50
 Lat1 : 10.848N Lon1 : 60.935W
 158 07 830 25
 00 00

08207 Date : 05.10.98 23:59:33 LC : 1 IQ : 60
 Lat1 : 10.858N Lon1 : 60.891W
 161 1823 625 33
 00 00

Hereafter only
 LCφ,
 1, 2 or 3

109

08207 Date : 06.10.98 17:31:50 LC : 0 IQ : 50
Lat1 : 10.842N Lon1 : 60.868W

160 12 944 22
00 00

08207 Date : 07.10.98 00:24:14 LC : 0 IQ : 50
Lat1 : 10.858N Lon1 : 60.909W

159 1687 944 22
00 00

08207 Date : 07.10.98 12:10:50 LC : 1 IQ : 68
Lat1 : 10.860N Lon1 : 60.902W

160 1103 1032 20
00 00

08207 Date : 09.10.98 11:28:29 LC : 0 IQ : 50
Lat1 : 10.856N Lon1 : 60.924W

161 1375 578 36
00 00

08207 Date : 11.10.98 11:32:14 LC : 0 IQ : 60
Lat1 : 10.865N Lon1 : 60.906W

161 929 441 47
00 00

08207 Date : 11.10.98 22:41:22 LC : 1 IQ : 60
Lat1 : 10.849N Lon1 : 60.917W

161 19 518 40
00 01

08207 Date : 12.10.98 06:50:33 LC : 0 IQ : 50
Lat1 : 10.865N Lon1 : 60.974W

161 1962 566 36
00 00

08207 Date : 12.10.98 11:12:09 LC : 0 IQ : 60
Lat1 : 10.882N Lon1 : 60.897W

161 10 566 36
00 00

08207 Date : 12.10.98 11:55:28 LC : 0 IQ : 57
Lat1 : 10.855N Lon1 : 60.889W

162 05 566 36
00 00

08207 Date : 12.10.98 11:55:28 LC : 0 IQ : 60
Lat1 : 10.898N Lon1 : 60.943W

162 05 566 36
00 00

08207 Date : 14.10.98 22:23:39 LC : 0 IQ : 60
Lat1 : 10.858N Lon1 : 60.875W

161 1783 421 50
00 00

08207 Date : 16.10.98 00:10:37 LC : 0 IQ : 50
Lat1 : 10.860N Lon1 : 60.905W

160 1640 743 28
00 00

08207 Date : 16.10.98 09:47:35 LC : A IQ : 08
Lat1 : 10.844N Lon1 : 60.884W

160 2494 572 36
00 00

08207 Date : 17.10.98 07:38:50 LC : 2 IQ : 66
Lat1 : 10.846N Lon1 : 60.912W

162 1522 941 22
00 00

08207 Date : 17.10.98 22:05:47 LC : 0 IQ : 50
Lat1 : 10.860N Lon1 : 60.857W
162 1411 670 31
00 00

08207 Date : 19.10.98 01:16:41 LC : 0 IQ : 50
Lat1 : 10.881N Lon1 : 60.947W
159 2387 456 46
00 00

08207 Date : 21.10.98 20:40:40 LC : 0 IQ : 60
Lat1 : 10.858N Lon1 : 60.891W
157 13 709 29
00 01

08207 Date : 23.10.98 00:20:06 LC : 1 IQ : 60
Lat1 : 10.848N Lon1 : 60.935W
159 1575 936 22
00 00

08207 Date : 30.10.98 18:01:41 LC : 0 IQ : 50
Lat1 : 10.851N Lon1 : 60.929W
159 30 553 38
00 00

08207 Date : 31.10.98 09:11:07 LC : 1 IQ : 60
Lat1 : 10.847N Lon1 : 60.866W
156 2450 855 24
00 00

08207 Date : 03.11.98 07:50:42 LC : 2 IQ : 60
Lat1 : 10.863N Lon1 : 60.904W
159 2680 2598 8343
00 41

08207 Date : 04.11.98 09:29:23 LC : 0 IQ : 50
Lat1 : 10.838N Lon1 : 60.899W
160 1731 632 33
00 00

08207 Date : 06.11.98 18:28:43 LC : 2 IQ : 60
Lat1 : 10.850N Lon1 : 60.895W
161 14 591 35
00 01

08207 Date : 07.11.98 20:59:55 LC : 0 IQ : 50
Lat1 : 10.848N Lon1 : 60.886W
161 08 1084 19
00 00

08207 Date : 08.11.98 00:28:07 LC : 0 IQ : 60
Lat1 : 10.647N Lon1 : 61.093W
160 1508 1084 19
00 00