090630 NavList Jeremy's Moon LAN.docx

**MOON LINES NEAR TRANSIT**

From : NavList <http://www.fer3.com/arc/m2.aspx?i=115502>

[NavList] Lat and Long by moon transit.

From: Anabasis75---com

Date: 28 Jan 2011 11:06

Moon Lines near Transit Crs 193 True

 Spd 13.5 knots

Date: 30-Jun-09 1900 DR Lat 21-58' North

GMT Hour GMT Minute & Sec HS deg HS minutes DR Long 130-08' E

09 39-40 55 18.8 1900 GPS Lat 21-48.7' N

09 40-25 55 20.1 GPS Long 130-07.5E

09 41-05 55 20.6

09 41-37 55 21.6 Ht eye 107 ft

09 42-08 55 21.8 IE 0.8 on

09 42-45 55 22.3 all shots upper limb

09 43-21 55 23.4

09 44-38 55 24

09 45-18 55 24.6

09 45-58 55 24.8

09 47-06 55 25.3

09 47-38 55 25.2

09 48-15 55 25.6

09 48-51 55 27.5

09 49-24 55 26.8

09 50-00 55 27.5

09 50-34 55 27.2 LAM

09 51-19 55 27.2 LAM LAM by calc

09 51-45 55 26.8

09 52-28 55 26.9

09 52-59 55 26.5

09 53-48 55 26.8

09 54-19 55 26.8

09 54-52 55 26.1

09 55-19 55 25.6

09 55-53 55 24.8

09 57-13 55 24.5

09 57-50 55 25.1

09 58-37 55 23.2

09 59-23 55 22.8

10 00-00 55 22.4

10 00-58 55 23

10 01-35 55 22.1

Jeremy

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DD.MMYYYY=

 30.0620090 RUN

TDT-UT=66.5 S?

RUN

UT=0.00 H.MS ?

 9.5 RUN

XROM "LAN"

LT.CCCSS =

 .1931350 RUN

LT-UT = 0.00 H.M ?

 9.00 RUN

HE FT=

 107.00 RUN

Te CENT=

 20.00 RUN

P Mb=

 1010.00 RUN

UT^ H+L-U 1 ?

 9.3940000 ENTER^

-55.1880000 RUN

WHICH BODY ?

MOON RUN

"MOON"

UT^ H+L-U 2 ?

 9.4025000 ENTER^

-55.2010000 RUN

UT^ H+L-U 3 ?

 9.4105000 ENTER^

-55.2060000 RUN

UT^ H+L-U 4 ?

9.4137000 ENTER^

-55.2160000 RUN

UT^ H+L-U 5 ?

 9.4208000 ENTER^

-55.2180000 RUN

UT^ H+L-U 6 ?

9.4245000 ENTER^

-55.2230000 RUN

UT^ H+L-U 7 ?

 9.4321000 ENTER^

-55.2340000 RUN

UT^ H+L-U 8 ?

 9.4438000 ENTER^

-55.2400000 RUN

UT^ H+L-U 9 ?

 9.4518000 ENTER^

-55.2460000 RUN

UT^ H+L-U 10 ?

 9.4558000 ENTER^

-55.2480000 RUN

UT^ H+L-U 11 ?

 9.4706000 ENTER^

-55.2530000 RUN

UT^ H+L-U 12 ?

 9.4738000 ENTER^

-55.2520000 RUN

UT^ H+L-U 13 ?

 9.4815000 ENTER^

-55.2560000 RUN

UT^ H+L-U 14 ?

 9.4851000 ENTER^

-55.2750000 RUN

UT^ H+L-U 15 ?

 9.4924000 ENTER^

-55.2680000 RUN

UT^ H+L-U 16 ?

 9.5000000 ENTER^

-55.2750000 RUN

UT^ H+L-U 17 ?

 9.5034000 ENTER^

-55.2720000 RUN UT^ H+L-U 18 ? 9.5119000

ENTER^

-55.2720000 RUN

UT^ H+L-U 19 ?

 9.5145000 ENTER^

-55.2680000 RUN

UT^ H+L-U 20 ?

 9.5228000 ENTER^

-55.2690000 RUN

UT^ H+L-U 21 ?

 9.5259000 ENTER^

-55.2650000 RUN

UT^ H+L-U 22 ?

 9.5348000 ENTER^

-55.2680000 RUN

UT^ H+L-U 23 ?

 9.5419000 ENTER^

-55.2680000 RUN

UT^ H+L-U 24 ?

 9.5452000 ENTER^

-55.2610000 RUN

UT^ H+L-U 25 ?

 9.5519000 ENTER^

-55.2560000 RUN

UT^ H+L-U 26 ?

 9.5553000 ENTER^

-55.2480000 RUN

UT^ H+L-U 27 ?

 9.5713000 ENTER^

-55.2450000 RUN

UT^ H+L-U 28 ?

 9.5750000 ENTER^

-55.2510000 RUN

UT^ H+L-U 29 ?

 9.5837000 ENTER^

-55.2320000 RUN

UT^ H+L-U 30 ?

 9.5923000 ENTER^

-55.2280000 RUN

UT^ H+L-U 31 ?

 10.0000000 ENTER^

-55.2240000 RUN

UT^ H+L-U 32 ?

 10.0058000 ENTER^

-55.2300000 RUN

UT^ H+L-U 33 ?

 10.0135000 ENTER^

-55.2210000 RUN

UT^ H+L-U 34 ?

RUN

**MOON U LTT=18.51397 H.MS**

RUN

**OBS LAT=N 21:49.5**

RUN

**OBS LON=E 130:03.7**

RUN

**SQRTd2/N=0.6 NM**

RUN

**VALID+/-0.44 H.M @** **C T**

RUN

**UT SPAN (9.07- 10.35)**

RUN

**e.T'/e.H'<=3.5**

RUN

**EST LON ERR 1.9'**

RUN

**UPDATE: Y/\*N?**

**Y** RUN

**POS. UPDATED**

RUN

**LT=**

**19.0** RUN

**dLAT=N 21:47.6**

RUN

**dLON=E 130:03.2**

*to be compared to GPS position at 19:00 LT :*

*Lat= N +21°48'7*

*Lon=E-130°07'5*

***Overall accuracy :***

***Latitude : 1.1' (1.1 NM)***

***Longitude : 4.3' (4.0 NM), i.e. 4.4 NM in total***

*Data processed on Jan 28, 2011 by Antoine M. "Kermit" Couëtte*

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