

Citation:

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Supplemental File S2 Core Geophysics and Age Control Methods

Core Geophysics

The 109 cores collected offshore Sumatra (Supplemental File S1) were scanned at sea with a GEOTEK Multi Sensor Core Logger (MSCL), obtaining P-wave velocity, gamma ray density, resistivity, and loop magnetic susceptibility (MS) at 0.5 cm spaced intervals in 1.5-m length sections.

Split cores were imaged with a high resolution line-scan digital camera and the lithostratigraphy was described. High resolution point MS data were collected using a Bartington MS2E point sensor at 0.5 cm spacing. The cores were imaged with the Oregon State University Aquilion 64 slice X-ray Computed Tomography (CT) system with a nominal voxel size of 0.5 mm.

Age Control Methods

Age control for stratigraphy is provided by Accelerator Mass Spectrometer (AMS) ^{14}C and ^{210}Pb radiometric techniques. ^{14}C data is based on decay with a half-life of 5,730 years and is useful for

strata between ~300 - ~35,000 years old (Stuiver and Braziunes, 1993). ^{210}Pb data, based on a shorter half-life of 22 years (Noller, 2000), provides information about sedimentary deposition for the past ~150 years. We use ^{210}Pb age data to constrain the timing of deposition for the most recently deposited sediments.

To estimate ages of the turbidites using radiocarbon, we extract the calcium carbonate shells of planktic foraminifers preserved in the hemipelagic sediment below each turbidite to provide a maximum limiting age. We utilized planktic foraminiferid species as they most closely represent the age of the youngest sea water, the surface water that is most closely in ^{14}C equilibrium with the atmosphere. We sample below each turbidite because this is the sediment closest in age to the turbidite. We do not use the age of the sediment above the turbidite because the boundary between the top of the turbidite tail and the hemipelagic sediment is difficult to identify reliably and bioturbation is concentrated at this boundary. These methods are outlined in Goldfinger et al. (2012 a).

Supplemental File S2. Core Geophysics and Age Control Methods. A general overview of core geophysics acquisition methods is first presented. Age control methods are then discussed. The OxCal code for the regional age model is presented, followed by the output “log” file and a plot of the probability density functions for this age model. Please visit <http://dx.doi.org/10.1130/GES01066.S2> or the full-text article on www.gsapsubs.org to view Supplemental File S2.

Trench core sites were deeper than the Carbonate Compensation Depth (CCD), the depth below which foraminiferid CaCO_3 tests dissolve faster than they are deposited. Therefore foraminiferid abundance was nil in trench core sediments, so ^{14}C age control applies only to the slope cores.

Sediment samples were removed from the cores while avoiding the 0.5 cm of material nearest the core walls to avoid visible or undetected deformation and friction drag along the core walls. In some cases, highly irregular turbidite bases resulted in sampling an interval below the basal irregularities, and applying a correction to the hemipelagic thickness called the gap correction. Hemipelagic sediment samples were freeze dried to separate clay particles to improve rinsing through a sieve, washed in a dilute Calgon (sodium hexametaphosphate) solution to keep the fine particles in suspension, sieved through a 125 μm stainless steel sieve, then dried in a warm oven. Typically 25-50 individual planktic foraminifers (depending on size/weight) were identified then removed from this dried $> 125 \mu\text{m}$ size fraction using a fine sable brush moistened with distilled water. Foraminiferal sample ages were determined using Accelerator Mass Spectrometry (AMS) methods at the Keck AMS facility at University of California, Irvine in collaboration with John Southon.

The primary sources of radiocarbon error include

variation of the age in surface and near surface sea water, the sedimentation rate, the level of atmospheric radiocarbon in the atmosphere, and the basal erosion during turbidite emplacement. There does not yet exist sufficient prehistoric benthic-planktic age pairs with which to construct an age model in this region, so the reservoir correction is probably the largest source of error in this study and we have no way to evaluate this source of epistemic error. While we can evaluate basal visually to some extent, and differential erosion can be inferred between nearby cores from differences in hemipelagic thickness and the ^{14}C ages (Goldfinger et al., 2011a), there will likely be undetected erosion in these data. Sedimentation rates (Supplemental File S8) are calculated using ^{14}C age estimates and thickness of hemipelagic sediment. Sedimentation rates are used to calculate ages for turbidites that have no direct age.

The radiocarbon ages are reported in years before present (BP, measured from 1950) with a 2 standard deviation lab error (Stuiver et al., 1998). ^{14}C ages are calibrated (Stuiver and Polach, 1977) and a marine reservoir correction of 16 ± 78 years is made using the Marine13 database (Reimer et al., 2013). Only two ΔR values are available for the Sumatra area, and while constraints are few on this correction, we here are correlating marine sites to other nearby marine sites, thus the local correlations are valid while

absolute ages may contain additional uncertainty. One additional correction we make to the calibrated age is the sediment gap thickness correction (thickness of sediment between the turbidite and the sample; see OxCal code below). For individual ages, we propagate these uncertainties using RMS (root mean square) calculations using estimates of the uncertainties at each step. This calculation includes the lab uncertainties and results in the final reported 95.4% error range for each radiocarbon age. In later sections of the paper, we calculate region wide mean event ages. For these, we average the ages (using the combine function in OxCal), and again apply RMS calculations to the averaged error ranges to produce the 95% error ranges for each averaged age. No lab multipliers were applied to the data.

OxCal Code for the calibration of ages displayed in Table 5 B.

```

Options()
{
Plot()
BCAD=FALSE;
Curve("Marine13","Marine13.14c");
Delta_R("LocalMarine",16,78);
Sequence("2004 Region Gap")
{
Boundary("Start", -8000);
{
R_Date("RR0705_108PC_312.5_314.5_SUM-043", 6115, 20) +
N(47,39);
};
Boundary("T-42")
{
};
{
R_Date("RR0705_103PC_383_385_SUM-253", 6020, 25) +
N(13,22);
};
Boundary("T-41")
{
};
{
R_Date("RR0705_103PC_324_326_SUM-224", 5575, 25) +
N(17,29);
};

Boundary("T-40")
{
};
{
R_Date("RR0705_103PC_300.5_302.5_SUM-053", 5360, 25) +
N(0,23);
};
Boundary("T-39")
{
};
{
R_Date("RR0705_108PC_257_259_SUM-042", 4840, 20) +
N(44,23);
};
Boundary("T-38")
{
};
{
Date("Sum-T-38");
};
Boundary("T-37")
{
};
{
Date("Sum-T-37");
};
Boundary("T-36")
{
};
{
Date("Sum-T-36");
};
Boundary("T-35")
{
};
{
Date("Sum-T-35");
};
Boundary("T-34")
{
};
{
Date("Sum-T-34");
};
Boundary("T-33")
{
};
{
R_Date("RR0705_103PC_209_211_SUM-050", 4360, 20) +
N(3,31);
};
Boundary("T-32")
{
};
{
Date("Sum-T-32");
};
Boundary("T-31")
{
};
{
Date("Sum-T-31");
};
Boundary("T-30")
{
};
{
Date("Sum-T-30");
};
Boundary("T-29")
{
}

```

```

};

{
R_Date("RR0705_108PC_194_196_SUM-194", 4340, 20) +
N(24,35);
};

Boundary("T-28")
{
};

{
Date("Sum-T-28");
};

Boundary("T-27")
{
};

{
Combine("Sum-T-27")
{
R_Date("RR0705_108PC_175_177_SUM-046", 4070, 15) +
N(57,96);
R_Date("RR0705_103PC_174_176_SUM-087", 3925, 20) +
N(123,46);
};

Boundary("T-26")
{
};

{
Date("Sum-T-26");
};

Boundary("T-25")
{
};

{
Date("Sum-T-25");
};

Boundary("T-24")
{
};

{
Date("Sum-T-24");
};

Boundary("T-23")
{
};

{
Date("Sum-T-23");
};

Boundary("T-22")
{
};

{
Date("Sum-T-22");
};

Boundary("T-21")
{
};

{
Combine("Sum-T-21")
{
R_Date("RR0705_108PC_132.5_134.5_SUM-081", 3035, 15) +
N(0,39);
R_Date("RR0705_104PC_326_328_SUM-235", 3000, 35) +
N(6,25);
R_Date("RR0705_103PC_111_113_SUM-055", 2985, 20) +
N(28,46);
R_Date("RR0705_103TC_079_081_SUM-180", 2985, 20) +
N(0,92);
};

Boundary("T-20")
{
};

{
R_Date("RR0705_103PC_092_094_SUM-085", 2705, 15) +
N(36,60);
};

Boundary("T-19")
{
};

{
Date("Sum-T-19");
};

Boundary("T-18")
{
};

{
Date("Sum-T-18");
};

Boundary("T-17")
{
};

{
Date("Sum-T-17");
};

Boundary("T-16")
{
};

{
R_Date("RR0705_96PC_399_401_SUM-232", 2410, 20) +
N(13,20);
};

Boundary("T-15")
{
};

{
Date("Sum-T-15");
};

Boundary("T-14")
{
};

{
R_Date("RR0705_104PC_207_209_SUM-115", 2420, 220) +
N(17,28);
};

Boundary("T-13")
{
};

{
Date("Sum-T-13");
};

Boundary("T-12")
{
};

{
Date("Sum-T-12");
};

Boundary("T-11")
{
};

{
Combine("Sum-T-11")
{
R_Date("RR0705_103TC_039_041_SUM-179", 2065, 20) +
N(0,104);
R_Date("RR0705_96PC_374_376_SUM-090", 2115, 20) +
N(7,18);
};

Boundary("T-10")
{
};

```

```

Combine("Sum-T-10")
{
    R_Date("RR0705_108PC_039_041_SUM-080", 2015, 15) +
N(41,31);
    R_Date("RR0705_108TC_020_022_SUM-172", 1930, 20) +
N(44,132);
    R_Date("RR0705_104PC_158_160_SUM-082", 2040, 20) +
N(5,47);
    R_Date("RR0705_103PC_049_051_SUM-054", 1940, 25) +
N(18,46);
    R_Date("RR0705_103TC_036_038_SUM-178", 1890, 20) +
N(24,177);
};

};

Boundary("T-9")
{
};

Date("Sum-T-9");
};

Boundary("T-8")
{
};

Date("Sum-T-8");
};

Boundary("T-7")
{
};

Combine("Sum-T-7")
{
    R_Date("RR0705_104PC_122_124_SUM-061", 1630, 45) +
N(16,40);
    R_Date("RR0705_96PC_287.5_289.5_SUM-089", 1490, 15) +
N(3,27);
};

Boundary("T-6")
{
};

Date("Sum-T-6");
};

Boundary("T-5")
{
};

Combine("Sum-T-5")
{
    R_Date("RR0705_103PC_020_022_SUM-084", 1225, 20) +
N(5,46);
    R_Date("RR0705_103TC_012.5_014.5_SUM-177", 1310, 20) +
N(0,206);
};

Boundary("T-4")
{
};

Combine("Sum-T-4")
{
    R_Date("RR0705_104PC_067.5_069.5_SUM-062", 1265, 15) +
N(9,45);
    R_Date("RR0705_104TC_047.5_049.5_SUM-175", 1220, 20) +
N(11,170);
};

Boundary("T-3")
{
};

```

```

{
    Combine("Sum-T-3")
{
    R_Date("RR0705_104PC_049.5_051.5_SUM-060", 1065, 20) +
N(9,45);
    R_Date("RR0705_96PC_222_224_SUM-228", 1145, 15) +
N(9,38);
};

Boundary("T-2")
{
};

R_Date("RR0705_104TC_011_013_SUM-176", 705, 20) +
N(32,170);
};

Boundary("T-1")
{
};

Date("Sum-T-1");
};

Boundary("T-0", 2007)
{
};

};

```

OxCAL log file for ages in Table 5 B.

```

OxCAL v4.2.4 Bronk Ramsey (2013); r:5
IntCal13 atmospheric curve (Reimer et al 2013)
FALSE
OxCAL v4.2.4 Bronk Ramsey (2013); r:5
Marine13 Curve(Marine13.14c)
Marine13 marine curve (Reimer et al 2013)
LocalMarine Delta_R(16,78)
    68.2% probability
        -64 (68.2%) 96
    95.4% probability
        -141 (95.4%) 173
-8000
: -8000
( Boundary Start
Start Boundary(-8000)
    68.2% probability
        8002BC (68.2%) 8001BC
    95.4% probability
        8002BC (95.4%) 8001BC
) Boundary Start
RR0705_108PC_312.5_314.5_SUM-043 R_Date(6115,20)
    68.2% probability
        4675BC (68.2%) 4485BC
    95.4% probability
        4766BC (95.4%) 4387BC
N(47,39)
    68.2% probability
        7 (68.2%) 87
    95.4% probability
        -31 (95.4%) 125
( Calculate
RR0705_108PC_312.5_314.5_SUM-043+N(47,39)
    68.2% probability
        4633BC (68.2%) 4428BC
    95.4% probability
        4732BC (95.4%) 4326BC
) Calculate
T-42 Boundary()
RR0705_103PC_383_385_SUM-253 R_Date(6020,25)
    68.2% probability

```

4552BC (68.2%) 4365BC
 95.4% probability
 4671BC (95.4%) 4317BC
 N(13,22)
 68.2% probability
 -9 (68.2%) 35
 95.4% probability
 -31 (95.4%) 57
 (Calculate
 RR0705_103PC_383_385_SUM-253+N(13,22)
 68.2% probability
 4547BC (68.2%) 4355BC
 95.4% probability
 4661BC (95.4%) 4292BC
) Calculate
 T-41 Boundary()
 RR0705_103PC_324_326_SUM-224 R_Date(5575,25)
 68.2% probability
 4131BC (0.5%) 4129BC
 4117BC (67.7%) 3916BC
 95.4% probability
 4216BC (95.4%) 3798BC
 N(17,29)
 68.2% probability
 -13 (68.2%) 47
 95.4% probability
 -41 (95.4%) 75
 (Calculate
 RR0705_103PC_324_326_SUM-224+N(17,29)
 68.2% probability
 4108BC (68.2%) 3888BC
 95.4% probability
 4206BC (95.4%) 3771BC
) Calculate
 T-40 Boundary()
 RR0705_103PC_300.5_302.5_SUM-053 R_Date(5360,25)
 68.2% probability
 3857BC (68.2%) 3661BC
 95.4% probability
 3946BC (95.4%) 3616BC
 N(0,23)
 68.2% probability
 -23 (68.2%) 23
 95.4% probability
 -46 (95.4%) 46
 (Calculate
 RR0705_103PC_300.5_302.5_SUM-053+N(0,23)
 68.2% probability
 3860BC (68.2%) 3665BC
 95.4% probability
 3954BC (95.4%) 3602BC
) Calculate
 T-39 Boundary()
 RR0705_108PC_257_259_SUM-042 R_Date(4840,20)
 68.2% probability
 3306BC (68.2%) 3062BC
 95.4% probability
 3351BC (95.4%) 2920BC
 N(44,23)
 68.2% probability
 21 (68.2%) 67
 95.4% probability
 -2 (95.4%) 90
 (Calculate
 RR0705_108PC_257_259_SUM-042+N(44,23)
 68.2% probability
 3255BC (68.2%) 3009BC
 95.4% probability
 3318BC (95.4%) 2871BC
) Calculate
 T-38 Boundary()

Sum-T-38
 T-37 Boundary()
 Sum-T-37
 T-36 Boundary()
 Sum-T-36
 T-35 Boundary()
 Sum-T-35
 T-34 Boundary()
 Sum-T-34
 T-33 Boundary()
 RR0705_103PC_209_211_SUM-050 R_Date(4360,20)
 68.2% probability
 2659BC (68.2%) 2425BC
 95.4% probability
 2821BC (1.3%) 2798BC
 2781BC (94.1%) 2304BC
 N(3,31)
 68.2% probability
 -29 (68.2%) 35
 95.4% probability
 -59 (95.4%) 65
 (Calculate
 RR0705_103PC_209_211_SUM-050+N(3,31)
 68.2% probability
 2657BC (68.2%) 2412BC
 95.4% probability
 2806BC (95.4%) 2292BC
) Calculate
 T-32 Boundary()
 Sum-T-32
 T-31 Boundary()
 Sum-T-31
 T-30 Boundary()
 Sum-T-30
 T-29 Boundary()
 RR0705_108PC_194_196_SUM-194 R_Date(4340,20)
 68.2% probability
 2626BC (68.2%) 2391BC
 95.4% probability
 2766BC (95.4%) 2267BC
 N(24,35)
 68.2% probability
 -12 (68.2%) 60
 95.4% probability
 -46 (95.4%) 94
 (Calculate
 RR0705_108PC_194_196_SUM-194+N(24,35)
 68.2% probability
 2607BC (68.2%) 2360BC
 95.4% probability
 2751BC (95.4%) 2232BC
) Calculate
 T-28 Boundary()
 Sum-T-28
 T-27 Boundary()
 RR0705_108PC_175_177_SUM-046 R_Date(4070,15)
 68.2% probability
 2255BC (68.2%) 2020BC
 95.4% probability
 2378BC (95.4%) 1911BC
 N(57,96)
 68.2% probability
 -41 (68.2%) 155
 95.4% probability
 -135 (95.4%) 249
 (Calculate
 RR0705_108PC_175_177_SUM-046+N(57,96)
 68.2% probability
 2230BC (68.2%) 1924BC
 95.4% probability
 2385BC (95.4%) 1780BC

) Calculate
 RR0705_103PC_174_176_SUM-087 R_Date(3925,20)
 68.2% probability
 2052BC (68.2%) 1817BC
 95.4% probability
 2173BC (95.4%) 1718BC
 N(123,46)
 68.2% probability
 76 (68.2%) 170
 95.4% probability
 31 (95.4%) 215
 (Calculate
 RR0705_103PC_174_176_SUM-087+N(123,46)
 68.2% probability
 1942BC (68.2%) 1693BC
 95.4% probability
 2060BC (95.4%) 1570BC
) Calculate
 (Combine Sum-T-27
 Posterior
 68.2% probability
 2017BC (68.2%) 1827BC
 95.4% probability
 2111BC (95.4%) 1734BC
 Agreement 82.4%
 Posterior
 68.2% probability
 2017BC (68.2%) 1827BC
 95.4% probability
 2111BC (95.4%) 1734BC
 Agreement 89.3%
 Sum-T-27 Combine()
 X2-Test: df=1 T=1.834(5% 3.841)
 68.2% probability
 2017BC (68.2%) 1827BC
 95.4% probability
 2111BC (95.4%) 1734BC
 Agreement n=2 Acomb= 80.5%(An= 50.0%)
) Combine Sum-T-27
 T-26 Boundary()
 Sum-T-26
 T-25 Boundary()
 Sum-T-25
 T-24 Boundary()
 Sum-T-24
 T-23 Boundary()
 Sum-T-23
 T-22 Boundary()
 Sum-T-22
 T-21 Boundary()
 RR0705_108PC_132.5_134.5_SUM-081 R_Date(3035,15)
 68.2% probability
 928BC (68.2%) 767BC
 95.4% probability
 1066BC (94.8%) 691BC
 681BC (0.6%) 665BC
 N(0,39)
 68.2% probability
 -40 (68.2%) 40
 95.4% probability
 -78 (95.4%) 78
 (Calculate
 RR0705_108PC_132.5_134.5_SUM-081+N(0,39)
 68.2% probability
 942BC (68.2%) 759BC
 95.4% probability
 1073BC (95.4%) 662BC
) Calculate
 RR0705_104PC_326_328_SUM-235 R_Date(3000,35)
 68.2% probability
 915BC (68.2%) 731BC
 95.4% probability
 1016BC (95.4%) 556BC
 N(6,25)
 68.2% probability
 -20 (68.2%) 32
 95.4% probability
 -44 (95.4%) 56
 (Calculate
 RR0705_104PC_326_328_SUM-235+N(6,25)
 68.2% probability
 914BC (68.2%) 720BC
 95.4% probability
 1020BC (95.4%) 550BC
) Calculate
 RR0705_103PC_111_113_SUM-055 R_Date(2985,20)
 68.2% probability
 900BC (68.2%) 722BC
 95.4% probability
 986BC (95.4%) 551BC
 N(28,46)
 68.2% probability
 -19 (68.2%) 75
 95.4% probability
 -64 (95.4%) 120
 (Calculate
 RR0705_103PC_111_113_SUM-055+N(28,46)
 68.2% probability
 881BC (68.2%) 672BC
 95.4% probability
 981BC (95.4%) 512BC
) Calculate
 RR0705_103TC_079_081_SUM-180 R_Date(2985,20)
 68.2% probability
 900BC (68.2%) 722BC
 95.4% probability
 986BC (95.4%) 551BC
 N(0,92)
 68.2% probability
 -94 (68.2%) 94
 95.4% probability
 -184 (95.4%) 184
 (Calculate
 RR0705_103TC_079_081_SUM-180+N(0,92)
 68.2% probability
 933BC (68.2%) 666BC
 95.4% probability
 1063BC (95.4%) 502BC
) Calculate
 (Combine Sum-T-21
 Posterior
 68.2% probability
 853BC (68.2%) 765BC
 95.4% probability
 905BC (95.4%) 724BC
 Agreement 121.2%
 Posterior
 68.2% probability
 853BC (68.2%) 765BC
 95.4% probability
 905BC (95.4%) 724BC
 Agreement 135.8%
 Posterior
 68.2% probability
 853BC (68.2%) 765BC
 95.4% probability
 905BC (95.4%) 724BC
 Agreement 126.7%
 Posterior
 68.2% probability
 853BC (68.2%) 765BC
 95.4% probability

905BC (95.4%) 724BC
 Agreement 136.5%
 Sum-T-21 Combine()
 X2-Test: df=3 T=0.362(5% 7.815)
 68.2% probability
 853BC (68.2%) 765BC
 95.4% probability
 905BC (95.4%) 724BC
 Agreement n=4 Acomb=168.7%(An= 35.4%)
) Combine Sum-T-21
 T-20 Boundary()
 RR0705_103PC_092_094_SUM-085 R_Date(2705,15)
 68.2% probability
 573BC (68.2%) 344BC
 95.4% probability
 716BC (95.4%) 239BC
 N(36,60)
 68.2% probability
 -25 (68.2%) 97
 95.4% probability
 -84 (95.4%) 156
 (Calculate
 RR0705_103PC_092_094_SUM-085+N(36,60)
 68.2% probability
 555BC (68.2%) 291BC
 95.4% probability
 705BC (95.4%) 172BC
) Calculate
 T-19 Boundary()
 Sum-T-19
 T-18 Boundary()
 Sum-T-18
 T-17 Boundary()
 Sum-T-17
 T-16 Boundary()
 RR0705_96PC_399_401_SUM-232 R_Date(2410,20)
 68.2% probability
 179BC (68.2%) 30AD
 95.4% probability
 320BC (95.4%) 108AD
 N(13,20)
 68.2% probability
 -7 (68.2%) 33
 95.4% probability
 -27 (95.4%) 53
 (Calculate
 RR0705_96PC_399_401_SUM-232+N(13,20)
 68.2% probability
 167BC (68.2%) 46AD
 95.4% probability
 306BC (95.4%) 129AD
) Calculate
 T-15 Boundary()
 Sum-T-15
 T-14 Boundary()
 RR0705_104PC_207_209_SUM-115 R_Date(2420,220)
 68.2% probability
 381BC (68.2%) 187AD
 95.4% probability
 719BC (95.4%) 418AD
 N(17,28)
 68.2% probability
 -12 (68.2%) 46
 95.4% probability
 -39 (95.4%) 73
 (Calculate
 RR0705_104PC_207_209_SUM-115+N(17,28)
 68.2% probability
 365BC (68.2%) 209AD
 95.4% probability
 704BC (95.4%) 440AD
) Calculate
 T-13 Boundary()
 Sum-T-13
 T-12 Boundary()
 Sum-T-12
 T-11 Boundary()
 RR0705_103TC_039_041_SUM-179 R_Date(2065,20)
 68.2% probability
 234AD (68.2%) 430AD
 95.4% probability
 136AD (95.4%) 538AD
 N(0,104)
 68.2% probability
 -106 (68.2%) 106
 95.4% probability
 -208 (95.4%) 208
 (Calculate
 RR0705_103TC_039_041_SUM-179+N(0,104)
 68.2% probability
 183AD (68.2%) 473AD
 95.4% probability
 40AD (95.4%) 616AD
) Calculate
 RR0705_96PC_374_376_SUM-090 R_Date(2115,20)
 68.2% probability
 169AD (68.2%) 370AD
 95.4% probability
 75AD (95.4%) 456AD
 N(7,18)
 68.2% probability
 -11 (68.2%) 25
 95.4% probability
 -29 (95.4%) 43
 (Calculate
 RR0705_96PC_374_376_SUM-090+N(7,18)
 68.2% probability
 176AD (68.2%) 381AD
 95.4% probability
 77AD (95.4%) 469AD
) Calculate
 (Combine Sum-T-11
 Posterior
 68.2% probability
 215AD (68.2%) 382AD
 95.4% probability
 129AD (95.4%) 450AD
 Agreement 120.3%
 Posterior
 68.2% probability
 215AD (68.2%) 382AD
 95.4% probability
 129AD (95.4%) 450AD
 Agreement 108.0%
 Sum-T-11 Combine()
 X2-Test: df=1 T=0.067(5% 3.841)
 68.2% probability
 215AD (68.2%) 382AD
 95.4% probability
 129AD (95.4%) 450AD
 Agreement n=2 Acomb=120.3%(An= 50.0%)
) Combine Sum-T-11
 T-10 Boundary()
 RR0705_108PC_039_041_SUM-080 R_Date(2015,15)
 68.2% probability
 273AD (68.2%) 477AD
 95.4% probability
 187AD (95.4%) 584AD
 N(41,31)
 68.2% probability
 9 (68.2%) 73
 95.4% probability

-21 (95.4%) 103
 (Calculate
 RR0705_108PC_039_041_SUM-080+N(41,31)
 68.2% probability
 318AD (68.2%) 532AD
 95.4% probability
 222AD (95.4%) 637AD
) Calculate
 RR0705_108TC_020_022_SUM-172 R_Date(1930,20)
 68.2% probability
 402AD (68.2%) 585AD
 95.4% probability
 298AD (95.4%) 659AD
 N(44,132)
 68.2% probability
 -91 (68.2%) 179
 95.4% probability
 -220 (95.4%) 308
 (Calculate
 RR0705_108TC_020_022_SUM-172+N(44,132)
 68.2% probability
 370AD (68.2%) 691AD
 95.4% probability
 205AD (95.4%) 847AD
) Calculate
 RR0705_104PC_158_160_SUM-082 R_Date(2040,20)
 68.2% probability
 250AD (68.2%) 450AD
 95.4% probability
 156AD (95.4%) 557AD
 N(5,47)
 68.2% probability
 -43 (68.2%) 53
 95.4% probability
 -89 (95.4%) 99
 (Calculate
 RR0705_104PC_158_160_SUM-082+N(5,47)
 68.2% probability
 248AD (68.2%) 472AD
 95.4% probability
 142AD (95.4%) 587AD
) Calculate
 RR0705_103PC_049_051_SUM-054 R_Date(1940,25)
 68.2% probability
 390AD (68.2%) 580AD
 95.4% probability
 282AD (95.4%) 650AD
 N(18,46)
 68.2% probability
 -29 (68.2%) 65
 95.4% probability
 -74 (95.4%) 110
 (Calculate
 RR0705_103PC_049_051_SUM-054+N(18,46)
 68.2% probability
 394AD (68.2%) 604AD
 95.4% probability
 279AD (95.4%) 694AD
) Calculate
 RR0705_103TC_036_038_SUM-178 R_Date(1890,20)
 68.2% probability
 440AD (68.2%) 611AD
 95.4% probability
 351AD (95.4%) 682AD
 N(24,177)
 68.2% probability
 -157 (68.2%) 205
 95.4% probability
 -330 (95.4%) 378
 (Calculate
 RR0705_103TC_036_038_SUM-178+N(24,177)
 68.2% probability
 347AD (68.2%) 748AD
 95.4% probability
 150AD (95.4%) 941AD
) Calculate
 (Combine Sum-T-10
 Posterior
 68.2% probability
 393AD (68.2%) 508AD
 95.4% probability
 339AD (95.4%) 570AD
 Agreement 121.4%
 Posterior
 68.2% probability
 393AD (68.2%) 508AD
 95.4% probability
 339AD (95.4%) 570AD
 Agreement 119.5%
 Posterior
 68.2% probability
 393AD (68.2%) 508AD
 95.4% probability
 339AD (95.4%) 570AD
 Agreement 95.9%
 Posterior
 68.2% probability
 393AD (68.2%) 508AD
 95.4% probability
 339AD (95.4%) 570AD
 Agreement 114.7%
 Posterior
 68.2% probability
 393AD (68.2%) 508AD
 95.4% probability
 339AD (95.4%) 570AD
 Agreement 121.7%
 Sum-T-10 Combine()
 X2-Test: df=4 T=1.486(5% 9.488)
 68.2% probability
 393AD (68.2%) 508AD
 95.4% probability
 339AD (95.4%) 570AD
 Agreement n=5 Acomb=134.6%(An= 31.6%)
) Combine Sum-T-10
 T-9 Boundary()
 Sum-T-9
 T-8 Boundary()
 Sum-T-8
 T-7 Boundary()
 RR0705_104PC_122_124_SUM-061 R_Date(1630,45)
 68.2% probability
 687AD (68.2%) 874AD
 95.4% probability
 621AD (95.4%) 988AD
 N(16,40)
 68.2% probability
 -25 (68.2%) 57
 95.4% probability
 -64 (95.4%) 96
 (Calculate
 RR0705_104PC_122_124_SUM-061+N(16,40)
 68.2% probability
 697AD (68.2%) 900AD
 95.4% probability
 616AD (95.4%) 1017AD
) Calculate
 RR0705_96PC_287.5_289.5_SUM-089 R_Date(1490,15)
 68.2% probability
 836AD (68.2%) 1016AD
 95.4% probability
 726AD (95.4%) 1081AD

N(3,27)
 68.2% probability
 -25 (68.2%) 31
 95.4% probability
 -51 (95.4%) 57
 (Calculate
 RR0705_96PC_287.5_289.5_SUM-089+N(3,27)
 68.2% probability
 833AD (68.2%) 1018AD
 95.4% probability
 729AD (95.4%) 1098AD
) Calculate
 (Combine Sum-T-7
 Posterior
 68.2% probability
 792AD (68.2%) 942AD
 95.4% probability
 729AD (95.4%) 1013AD
 Agreement 98.0%
 Posterior
 68.2% probability
 792AD (68.2%) 942AD
 95.4% probability
 729AD (95.4%) 1013AD
 Agreement 98.9%
 Sum-T-7 Combine()
 X2-Test: df=1 T=0.959(5% 3.841)
 68.2% probability
 792AD (68.2%) 942AD
 95.4% probability
 729AD (95.4%) 1013AD
 Agreement n=2 Acomb= 97.8%(An= 50.0%)
) Combine Sum-T-7
 T-6 Boundary()
 Sum-T-6
 T-5 Boundary()
 RR0705_103PC_020_022_SUM-084 R_Date(1225,20)
 68.2% probability
 1117AD (68.2%) 1280AD
 95.4% probability
 1033AD (95.4%) 1320AD
 N(5,46)
 68.2% probability
 -42 (68.2%) 52
 95.4% probability
 -87 (95.4%) 97
 (Calculate
 RR0705_103PC_020_022_SUM-084+N(5,46)
 68.2% probability
 1102AD (68.2%) 1285AD
 95.4% probability
 1007AD (95.4%) 1362AD
) Calculate
 RR0705_103TC_012.5_014.5_SUM-177 R_Date(1310,20)
 68.2% probability
 1035AD (68.2%) 1197AD
 95.4% probability
 958AD (95.4%) 1280AD
 N(0,206)
 68.2% probability
 -210 (68.2%) 210
 95.4% probability
 -412 (95.4%) 412
 (Calculate
 RR0705_103TC_012.5_014.5_SUM-177+N(0,206)
 68.2% probability
 891AD (68.2%) 1340AD
 95.4% probability
 670AD (95.4%) 1560AD
) Calculate
 (Combine Sum-T-5
 Posterior
 68.2% probability
 1097AD (68.2%) 1268AD
 95.4% probability
 1012AD (95.4%) 1341AD
 Agreement 102.7%
 Posterior
 68.2% probability
 1097AD (68.2%) 1268AD
 95.4% probability
 1012AD (95.4%) 1341AD
 Agreement 127.4%
 Sum-T-5 Combine()
 X2-Test: df=1 T=0.138(5% 3.841)
 68.2% probability
 1097AD (68.2%) 1268AD
 95.4% probability
 1012AD (95.4%) 1341AD
 Agreement n=2 Acomb=120.9%(An= 50.0%)
) Combine Sum-T-5
 T-4 Boundary()
 RR0705_104PC_067.5_069.5_SUM-062 R_Date(1265,15)
 68.2% probability
 1068AD (68.2%) 1230AD
 95.4% probability
 1010AD (95.4%) 1297AD
 N(9,45)
 68.2% probability
 -37 (68.2%) 55
 95.4% probability
 -81 (95.4%) 99
 (Calculate
 RR0705_104PC_067.5_069.5_SUM-062+N(9,45)
 68.2% probability
 1072AD (68.2%) 1255AD
 95.4% probability
 987AD (95.4%) 1336AD
) Calculate
 RR0705_104TC_047.5_049.5_SUM-175 R_Date(1220,20)
 68.2% probability
 1123AD (68.2%) 1283AD
 95.4% probability
 1034AD (95.4%) 1324AD
 N(11,170)
 68.2% probability
 -162 (68.2%) 184
 95.4% probability
 -329 (95.4%) 351
 (Calculate
 RR0705_104TC_047.5_049.5_SUM-175+N(11,170)
 68.2% probability
 1010AD (68.2%) 1391AD
 95.4% probability
 825AD (95.4%) 1573AD
) Calculate
 (Combine Sum-T-4
 Posterior
 68.2% probability
 1088AD (68.2%) 1254AD
 95.4% probability
 1010AD (95.4%) 1327AD
 Agreement 104.5%
 Posterior
 68.2% probability
 1088AD (68.2%) 1254AD
 95.4% probability
 1010AD (95.4%) 1327AD
 Agreement 128.1%
 Sum-T-4 Combine()
 X2-Test: df=1 T=0.027(5% 3.841)
 68.2% probability

68.2% probability
 -3 (68.2%) 72
 95.4% probability
 -40 (95.4%) 107
 Agreement 99.9%
 T-42 Posterior
 68.2% probability
 4646BC (68.2%) 4498BC
 95.4% probability
 4715BC (95.4%) 4436BC
 Posterior
 68.2% probability
 4581BC (68.2%) 4451BC
 95.4% probability
 4652BC (95.4%) 4402BC
 RR0705_103PC_383_385_SUM-253 Posterior
 68.2% probability
 4595BC (68.2%) 4467BC
 95.4% probability
 4668BC (95.4%) 4433BC
 Agreement 97.4%
 Posterior
 68.2% probability
 -4 (68.2%) 39
 95.4% probability
 -26 (95.4%) 61
 Agreement 99.7%
 T-41 Posterior
 68.2% probability
 4530BC (50.4%) 4273BC
 4266BC (17.8%) 4159BC
 95.4% probability
 4595BC (95.4%) 4007BC
 Posterior
 68.2% probability
 4155BC (68.2%) 3992BC
 95.4% probability
 4222BC (95.4%) 3937BC
 RR0705_103PC_324_326_SUM-224 Posterior
 68.2% probability
 4162BC (68.2%) 4008BC
 95.4% probability
 4221BC (95.4%) 3967BC
 Agreement 91.9%
 Posterior
 68.2% probability
 -14 (68.2%) 44
 95.4% probability
 -43 (95.4%) 72
 Agreement 100.4%
 T-40 Posterior
 68.2% probability
 4062BC (68.2%) 3857BC
 95.4% probability
 4159BC (95.4%) 3770BC
 Posterior
 68.2% probability
 3920BC (68.2%) 3776BC
 95.4% probability
 3969BC (95.4%) 3707BC
 RR0705_103PC_300.5_302.5_SUM-053 Posterior
 68.2% probability
 3921BC (68.2%) 3786BC
 95.4% probability
 3956BC (95.4%) 3716BC
 Agreement 90.5%
 Posterior
 68.2% probability
 -22 (68.2%) 25
 95.4% probability
 -44 (95.4%) 47
 Agreement 100.2%
 T-39 Posterior
 68.2% probability
 3813BC (24.2%) 3640BC
 3512BC (44.0%) 3250BC
 95.4% probability
 3904BC (95.4%) 3200BC
 Posterior
 68.2% probability
 3330BC (68.2%) 3210BC
 95.4% probability
 3417BC (95.4%) 3111BC
 RR0705_108PC_257_259_SUM-042 Posterior
 68.2% probability
 3360BC (68.2%) 3258BC
 95.4% probability
 3467BC (6.0%) 3392BC
 3386BC (89.4%) 3161BC
 Agreement 78.0%
 Posterior
 68.2% probability
 16 (68.2%) 62
 95.4% probability
 -7 (95.4%) 85
 Agreement 98.9%
 T-38 Posterior
 68.2% probability
 3301BC (68.2%) 3125BC
 95.4% probability
 3376BC (95.4%) 2983BC
 Sum-T-38 Posterior
 68.2% probability
 3270BC (68.2%) 3069BC
 95.4% probability
 3336BC (95.4%) 2916BC
 T-37 Posterior
 68.2% probability
 3240BC (68.2%) 3009BC
 95.4% probability
 3311BC (95.4%) 2857BC
 Sum-T-37 Posterior
 68.2% probability
 3191BC (68.2%) 2949BC
 95.4% probability
 3275BC (95.4%) 2809BC
 T-36 Posterior
 68.2% probability
 3149BC (68.2%) 2889BC
 95.4% probability
 3246BC (95.4%) 2755BC
 Sum-T-36 Posterior
 68.2% probability
 3092BC (68.2%) 2833BC
 95.4% probability
 3201BC (95.4%) 2716BC
 T-35 Posterior
 68.2% probability
 3040BC (68.2%) 2778BC
 95.4% probability
 3161BC (95.4%) 2667BC
 Sum-T-35 Posterior
 68.2% probability
 2981BC (68.2%) 2731BC
 95.4% probability
 3107BC (95.4%) 2636BC
 T-34 Posterior
 68.2% probability
 2926BC (68.2%) 2686BC
 95.4% probability
 3055BC (95.4%) 2596BC
 Sum-T-34 Posterior

68.2% probability	95.4% probability
2866BC (68.2%) 2651BC	2695BC (95.4%) 2453BC
95.4% probability	Agreement 113.5%
2982BC (95.4%) 2570BC	Posterior
T-33 Posterior	68.2% probability
68.2% probability	16 (68.2%) 83
2813BC (68.2%) 2614BC	95.4% probability
95.4% probability	-17 (95.4%) 116
2914BC (95.4%) 2542BC	Agreement 89.3%
Posterior	T-28 Posterior
68.2% probability	68.2% probability
2772BC (68.2%) 2588BC	2573BC (68.2%) 2323BC
95.4% probability	95.4% probability
2847BC (95.4%) 2534BC	2648BC (95.4%) 2087BC
RR0705_103PC_209_211_SUM-050 Posterior	Sum-T-28 Posterior
68.2% probability	68.2% probability
2815BC (1.8%) 2809BC	2433BC (68.2%) 2092BC
2746BC (66.4%) 2571BC	95.4% probability
95.4% probability	2547BC (95.4%) 1942BC
2834BC (95.4%) 2536BC	T-27 Posterior
Agreement 72.6%	68.2% probability
Posterior	2218BC (68.2%) 1903BC
68.2% probability	95.4% probability
-40 (68.2%) 20	2439BC (95.4%) 1819BC
95.4% probability	Sum-T-27 Posterior
-69 (95.4%) 50	68.2% probability
Agreement 97.7%	2041BC (68.2%) 1858BC
T-32 Posterior	95.4% probability
68.2% probability	2131BC (95.4%) 1768BC
2744BC (68.2%) 2562BC	Posterior
95.4% probability	68.2% probability
2828BC (95.4%) 2508BC	2041BC (68.2%) 1858BC
Sum-T-32 Posterior	95.4% probability
68.2% probability	2131BC (95.4%) 1767BC
2722BC (68.2%) 2546BC	Agreement 93.6%
95.4% probability	Posterior
2807BC (95.4%) 2487BC	68.2% probability
T-31 Posterior	2041BC (68.2%) 1858BC
68.2% probability	95.4% probability
2705BC (68.2%) 2527BC	2131BC (95.4%) 1768BC
95.4% probability	Agreement 78.2%
2787BC (95.4%) 2465BC	T-26 Posterior
Sum-T-31 Posterior	68.2% probability
68.2% probability	2005BC (68.2%) 1746BC
2680BC (68.2%) 2507BC	95.4% probability
95.4% probability	2107BC (95.4%) 1526BC
2766BC (95.4%) 2448BC	Sum-T-26 Posterior
T-30 Posterior	68.2% probability
68.2% probability	1949BC (68.2%) 1630BC
2658BC (68.2%) 2487BC	95.4% probability
95.4% probability	2053BC (95.4%) 1393BC
2747BC (95.4%) 2432BC	T-25 Posterior
Sum-T-30 Posterior	68.2% probability
68.2% probability	1893BC (68.2%) 1504BC
2634BC (68.2%) 2469BC	95.4% probability
95.4% probability	2005BC (95.4%) 1250BC
2720BC (95.4%) 2414BC	Sum-T-25 Posterior
T-29 Posterior	68.2% probability
68.2% probability	1807BC (68.2%) 1386BC
2612BC (68.2%) 2452BC	95.4% probability
95.4% probability	1941BC (95.4%) 1158BC
2698BC (95.4%) 2400BC	T-24 Posterior
Posterior	68.2% probability
68.2% probability	1711BC (68.2%) 1253BC
2583BC (68.2%) 2431BC	95.4% probability
95.4% probability	1881BC (95.4%) 1049BC
2664BC (95.4%) 2379BC	Sum-T-24 Posterior
RR0705_108PC_194_196_SUM-194 Posterior	68.2% probability
68.2% probability	1596BC (68.2%) 1147BC
2628BC (40.7%) 2546BC	95.4% probability
2526BC (27.5%) 2473BC	1784BC (95.4%) 969BC

T-23 Posterior
 68.2% probability
 1478BC (68.2%) 1032BC
 95.4% probability
 1700BC (95.4%) 889BC
 Sum-T-23 Posterior
 68.2% probability
 1339BC (68.2%) 939BC
 95.4% probability
 1582BC (95.4%) 841BC
 T-22 Posterior
 68.2% probability
 1206BC (68.2%) 853BC
 95.4% probability
 1480BC (95.4%) 787BC
 Sum-T-22 Posterior
 68.2% probability
 1084BC (68.2%) 814BC
 95.4% probability
 1334BC (95.4%) 761BC
 T-21 Posterior
 68.2% probability
 955BC (68.2%) 771BC
 95.4% probability
 1185BC (95.4%) 727BC
 Sum-T-21 Posterior
 68.2% probability
 842BC (68.2%) 757BC
 95.4% probability
 893BC (95.4%) 719BC
 Posterior
 68.2% probability
 842BC (68.2%) 757BC
 95.4% probability
 893BC (95.4%) 719BC
 Agreement 117.2%
 Posterior
 68.2% probability
 842BC (68.2%) 757BC
 95.4% probability
 893BC (95.4%) 719BC
 Agreement 136.8%
 Posterior
 68.2% probability
 842BC (68.2%) 757BC
 95.4% probability
 893BC (95.4%) 719BC
 Agreement 131.5%
 Posterior
 68.2% probability
 842BC (68.2%) 758BC
 95.4% probability
 890BC (95.4%) 720BC
 Agreement 137.5%
 T-20 Posterior
 68.2% probability
 809BC (68.2%) 607BC
 95.4% probability
 855BC (95.4%) 456BC
 Posterior
 68.2% probability
 682BC (68.2%) 467BC
 95.4% probability
 751BC (95.4%) 376BC
 RR0705_103PC_092_094_SUM-085 Posterior
 68.2% probability
 702BC (9.2%) 674BC
 665BC (23.7%) 596BC
 591BC (9.3%) 560BC
 551BC (26.1%) 473BC
 95.4% probability

726BC (95.4%) 411BC
 Agreement 82.0%
 Posterior
 68.2% probability
 -52 (68.2%) 64
 95.4% probability
 -108 (95.4%) 120
 Agreement 96.3%
 T-19 Posterior
 68.2% probability
 636BC (68.2%) 400BC
 95.4% probability
 723BC (95.4%) 287BC
 Sum-T-19 Posterior
 68.2% probability
 584BC (68.2%) 340BC
 95.4% probability
 681BC (95.4%) 236BC
 T-18 Posterior
 68.2% probability
 533BC (68.2%) 281BC
 95.4% probability
 645BC (95.4%) 181BC
 Sum-T-18 Posterior
 68.2% probability
 472BC (68.2%) 232BC
 95.4% probability
 592BC (95.4%) 145BC
 T-17 Posterior
 68.2% probability
 415BC (68.2%) 182BC
 95.4% probability
 546BC (95.4%) 102BC
 Sum-T-17 Posterior
 68.2% probability
 355BC (68.2%) 151BC
 95.4% probability
 473BC (95.4%) 75BC
 T-16 Posterior
 68.2% probability
 298BC (68.2%) 116BC
 95.4% probability
 402BC (95.4%) 44BC
 Posterior
 68.2% probability
 241BC (68.2%) 83BC
 95.4% probability
 320BC (95.4%) 35BC
 RR0705_96PC_399_401_SUM-232 Posterior
 68.2% probability
 246BC (68.2%) 95BC
 95.4% probability
 327BC (95.4%) 53BC
 Agreement 84.1%
 Posterior
 68.2% probability
 -8 (68.2%) 33
 95.4% probability
 -27 (95.4%) 52
 Agreement 100.3%
 T-15 Posterior
 68.2% probability
 211BC (68.2%) 39BC
 95.4% probability
 302BC (95.4%) 40AD
 Sum-T-15 Posterior
 68.2% probability
 179BC (68.2%) 8AD
 95.4% probability
 271BC (95.4%) 100AD
 T-14 Posterior

68.2% probability
 150BC (68.2%) 56AD
 95.4% probability
 242BC (95.4%) 162AD
 Posterior
 68.2% probability
 106BC (68.2%) 100AD
 95.4% probability
 200BC (95.4%) 206AD
RR0705_104PC_207_209_SUM-115 Posterior
 68.2% probability
 125BC (68.2%) 89AD
 95.4% probability
 226BC (95.4%) 195AD
 Agreement 128.4%
 Posterior
 68.2% probability
 -9 (68.2%) 47
 95.4% probability
 -37 (95.4%) 75
 Agreement 100.2%
T-13 Posterior
 68.2% probability
 62BC (68.2%) 165AD
 95.4% probability
 161BC (95.4%) 273AD
Sum-T-13 Posterior
 68.2% probability
 3AD (68.2%) 225AD
 95.4% probability
 105BC (95.4%) 317AD
T-12 Posterior
 68.2% probability
 65AD (68.2%) 285AD
 95.4% probability
 59BC (95.4%) 366AD
Sum-T-12 Posterior
 68.2% probability
 133AD (68.2%) 327AD
 95.4% probability
 15AD (95.4%) 396AD
T-11 Posterior
 68.2% probability
 197AD (68.2%) 371AD
 95.4% probability
 82AD (95.4%) 430AD
Sum-T-11 Posterior
 68.2% probability
 268AD (68.2%) 398AD
 95.4% probability
 190AD (95.4%) 446AD
 Posterior
 68.2% probability
 266AD (68.2%) 398AD
 95.4% probability
 190AD (95.4%) 445AD
 Agreement 129.0%
 Posterior
 68.2% probability
 268AD (68.2%) 398AD
 95.4% probability
 190AD (95.4%) 446AD
 Agreement 110.2%
T-10 Posterior
 68.2% probability
 325AD (68.2%) 455AD
 95.4% probability
 242AD (95.4%) 515AD
Sum-T-10 Posterior
 68.2% probability
 393AD (68.2%) 496AD

95.4% probability
 346AD (95.4%) 552AD
 Posterior
 68.2% probability
 393AD (68.2%) 496AD
 95.4% probability
 346AD (95.4%) 552AD
 Agreement 125.5%
 Posterior
 68.2% probability
 381AD (68.2%) 487AD
 95.4% probability
 340AD (95.4%) 552AD
 Agreement 118.6%
 Posterior
 68.2% probability
 393AD (68.2%) 496AD
 95.4% probability
 346AD (95.4%) 552AD
 Agreement 100.1%
 Posterior
 68.2% probability
 393AD (68.2%) 496AD
 95.4% probability
 346AD (95.4%) 552AD
 Agreement 114.5%
 Posterior
 68.2% probability
 393AD (68.2%) 497AD
 95.4% probability
 343AD (95.4%) 555AD
 Agreement 120.8%
T-9 Posterior
 68.2% probability
 413AD (68.2%) 579AD
 95.4% probability
 362AD (95.4%) 717AD
Sum-T-9 Posterior
 68.2% probability
 466AD (68.2%) 671AD
 95.4% probability
 404AD (95.4%) 799AD
T-8 Posterior
 68.2% probability
 532AD (68.2%) 775AD
 95.4% probability
 444AD (95.4%) 884AD
Sum-T-8 Posterior
 68.2% probability
 631AD (68.2%) 847AD
 95.4% probability
 516AD (95.4%) 930AD
T-7 Posterior
 68.2% probability
 720AD (68.2%) 910AD
 95.4% probability
 596AD (95.4%) 985AD
Sum-T-7 Posterior
 68.2% probability
 801AD (68.2%) 941AD
 95.4% probability
 741AD (95.4%) 1006AD
 Posterior
 68.2% probability
 801AD (68.2%) 941AD
 95.4% probability
 741AD (95.4%) 1006AD
 Agreement 98.0%
 Posterior
 68.2% probability
 801AD (68.2%) 941AD

95.4% probability
 741AD (95.4%) 1006AD
 Agreement 102.1%
 T-6 Posterior
 68.2% probability
 846AD (68.2%) 1024AD
 95.4% probability
 773AD (95.4%) 1120AD
 Sum-T-6 Posterior
 68.2% probability
 922AD (68.2%) 1099AD
 95.4% probability
 837AD (95.4%) 1177AD
 T-5 Posterior
 68.2% probability
 1002AD (68.2%) 1170AD
 95.4% probability
 903AD (95.4%) 1233AD
 Sum-T-5 Posterior
 68.2% probability
 1073AD (68.2%) 1199AD
 95.4% probability
 1015AD (95.4%) 1253AD
 Posterior
 68.2% probability
 1073AD (68.2%) 1199AD
 95.4% probability
 1015AD (95.4%) 1253AD
 Agreement 101.4%
 Posterior
 68.2% probability
 1073AD (68.2%) 1200AD
 95.4% probability
 1009AD (95.4%) 1256AD
 Agreement 135.8%
 T-4 Posterior
 68.2% probability
 1116AD (68.2%) 1241AD
 95.4% probability
 1048AD (95.4%) 1291AD
 Sum-T-4 Posterior
 68.2% probability
 1161AD (68.2%) 1271AD
 95.4% probability
 1101AD (95.4%) 1316AD
 Posterior
 68.2% probability
 1161AD (68.2%) 1271AD
 95.4% probability
 1101AD (95.4%) 1316AD
 Agreement 108.5%
 Posterior
 68.2% probability
 1160AD (68.2%) 1272AD
 95.4% probability
 1097AD (95.4%) 1319AD
 Agreement 135.4%
 T-3 Posterior
 68.2% probability
 1202AD (68.2%) 1322AD
 95.4% probability
 1134AD (95.4%) 1379AD
 Sum-T-3 Posterior
 68.2% probability
 1267AD (68.2%) 1367AD
 95.4% probability
 1222AD (95.4%) 1422AD
 Posterior
 68.2% probability
 1267AD (68.2%) 1367AD
 95.4% probability
 1241AD (95.4%) 1692AD
 T-2 Posterior
 68.2% probability
 1286AD (68.2%) 1496AD
 95.4% probability
 1324AD (95.4%) 1831AD
 Posterior
 68.2% probability
 1413AD (68.2%) 1685AD
 95.4% probability
 1456AD (95.4%) 1643AD
 Agreement 91.1%
 Posterior
 68.2% probability
 -121 (68.2%) 151
 95.4% probability
 -220 (95.4%) 292
 Agreement 112.1%
 T-1 Posterior
 68.2% probability
 1565AD (68.2%) 1936AD
 95.4% probability
 1431AD (95.4%) 2008AD
 Sum-T-1 Posterior
 68.2% probability
 1822AD (68.2%) 2008AD
 95.4% probability
 1596AD (95.4%) 2008AD
 T-0 Posterior
 68.2% probability
 2006AD (68.2%) 2007AD
 95.4% probability
 2006AD (95.4%) 2007AD
 Agreement 100.0%
) MCMC(960000)