

ALBANY

34 56 41 S. 117 48 27 E

S 34.94472222 E. 117.8075.

CAIGUMA

S 32 15.9 E 125 29.6

S 32.265 E. 125.4933333

$$\lambda_2 - \lambda_1 = 7.6858333$$

$$\cos S = \sin L_1 \times \sin L_2 + \cos L_1 \times \cos L_2 \times \cos \lambda_1 \lambda_2$$

$$= .572785868 \times .533835908 + .819705037 \times .845588092 \times .991016299$$

$$= .305774236 + .68690592$$

$$\cos = .992680157$$

$$S = 6.936714387 = 6^\circ 56' 12''$$

$$= 416.2 \text{ nm. (417)} \\ = 772.15 \text{ 19288.}$$

$$= 6371.0 \times \frac{6.936714387}{57.29578} \text{ Km.}$$

$$= \underline{771.3274409 \text{ Km}}$$