

$$ETM_{k_{\text{word}}} = 3,999,485.0 \text{ mm} \quad [\text{From E1400205}]$$

$$ACB \text{ PDs} \sim @ \text{ join of baffle, } \sim 468.8 \text{ mm} - X \text{ from ETM}_k \quad \left[\begin{array}{l} \text{From D1001036} \\ + \text{D1002383} \end{array} \right]$$

$$PR3_k = -19737.3 \text{ mm} \quad [\text{From E1400205}]$$

$$\Delta X_{PR3 \rightarrow ACB} \approx 19737.3 + (3999485.0 - 468.8)$$

$$\approx 4,018,953.5 \text{ mm}$$

PD1 w.r.t. ACB center

$$\Delta z = 161.0 \text{ mm}$$

$$\Delta y = -149.6 \text{ mm}$$

PD4 w.r.t. ACB center

$$\Delta z = -137.4 \text{ mm}$$

$$\Delta y = 149.6 \text{ mm}$$

} From
D1000302

Assume aligned PR3 points to center of ACB

PD1

$$\text{Pitch} = \tan\left(\frac{161}{4018953.5}\right)$$
$$= 40.1 \text{ } \mu\text{rad up}$$

$$\text{Yaw} = \tan\left(\frac{149.6}{4018953.5}\right)$$
$$= 37.2 \text{ } \mu\text{rad CW}$$

PD4

$$\text{Pitch} = \tan\left(\frac{137.4}{4018953.5}\right)$$
$$= 34.2 \text{ } \mu\text{rad down}$$

$$\text{Yaw} = \tan\left(\frac{149.6}{4018953.5}\right)$$
$$= 37.2 \text{ } \mu\text{rad CW}$$