

NRO

速報

NO. 74

10/26/1985

230 GHz も OK!

45m 鏡の
鏡面精度
大巾 UP!

115 μm RMS
を達成

測定開始からわずか1ヶ月。

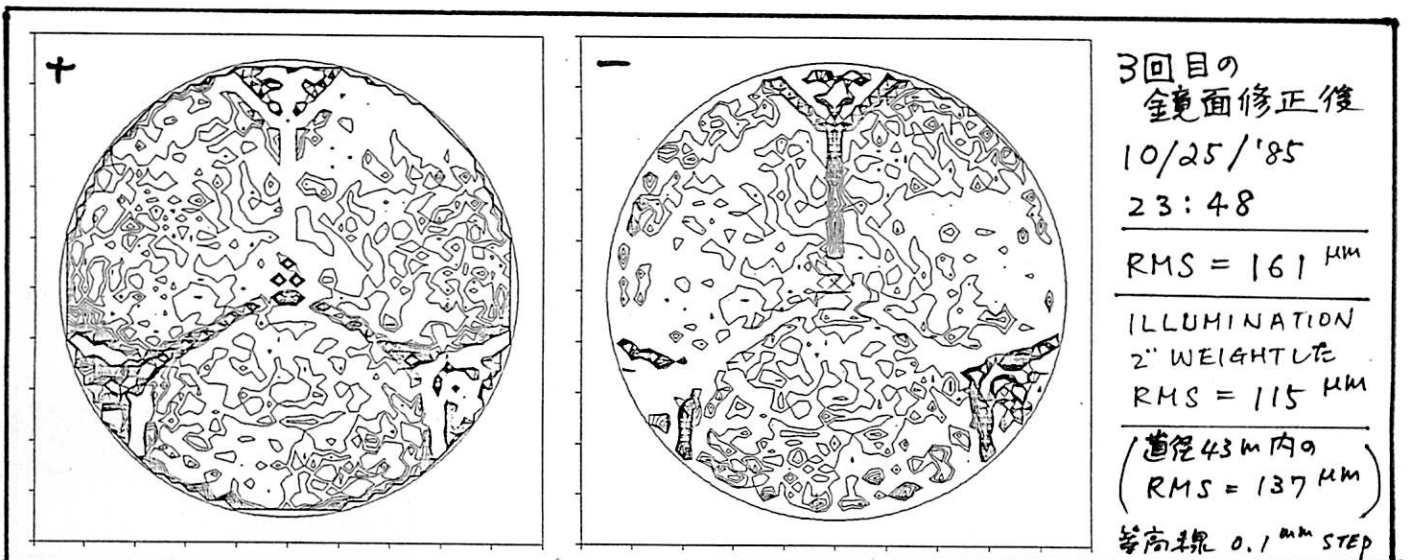
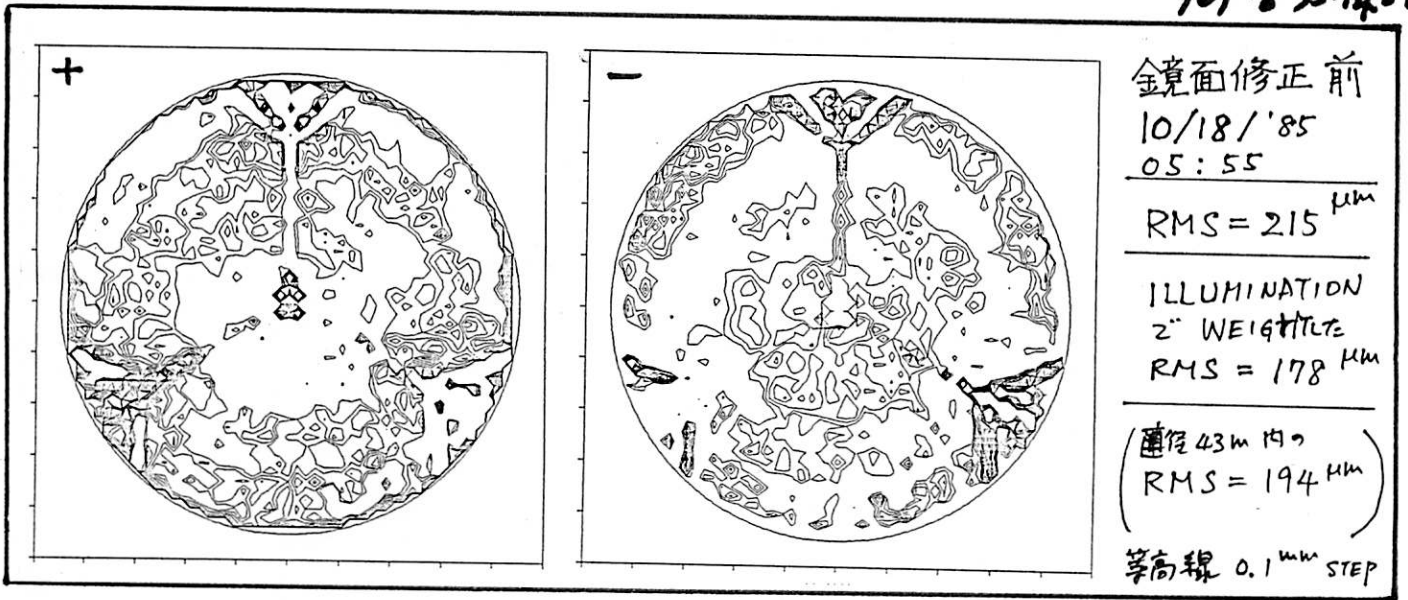
電波木Dグラフィ-の威力大。

期待をよめる集光力の増加

$\lambda = 2.6 \text{ mm}$ $\lambda = 1.3 \text{ mm}$

鏡面修正前	25 %	2 %
修正後	39 %	11 %

担当者の皆様、'昼夜不健康'の観測
御苦労様です。

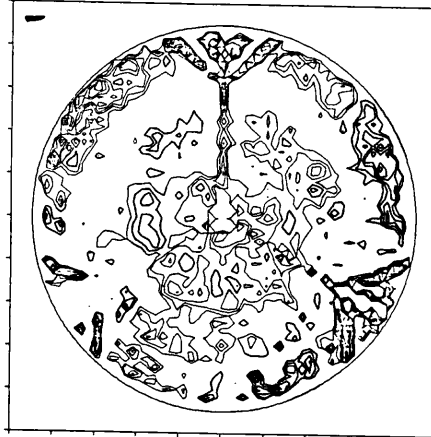
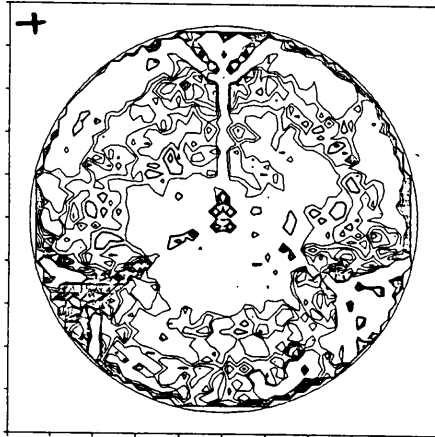


10/26/85

3回の鏡面修正による鏡面誤差

の変化。

等高線 STEP = 0.1 μm



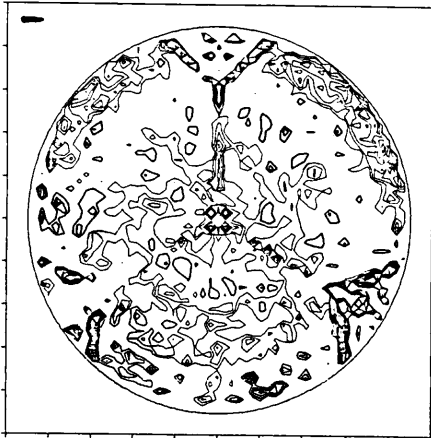
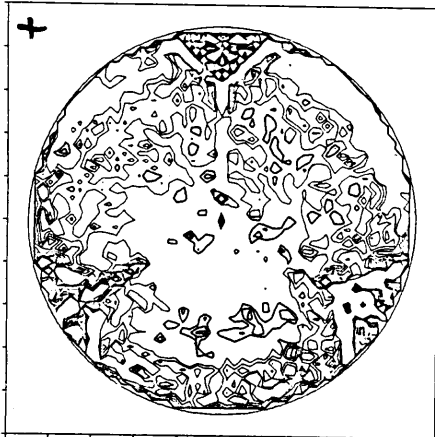
鏡面修正前

$\sigma = 215 \mu\text{m}$ (45mm内)

$\sigma = 194 \mu\text{m}$ (43mm内)

$\sigma_w = 178 \mu\text{m}$ (45mm内)

ILLUMINATION
光源 LT: RMS
(10/18 05:55)



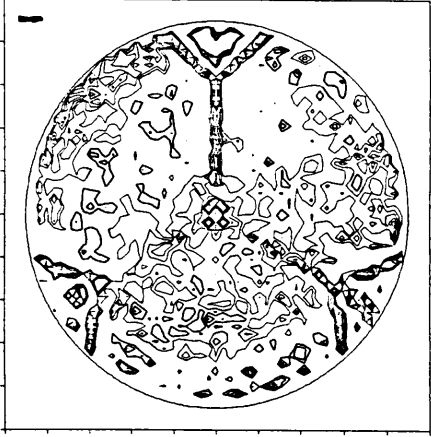
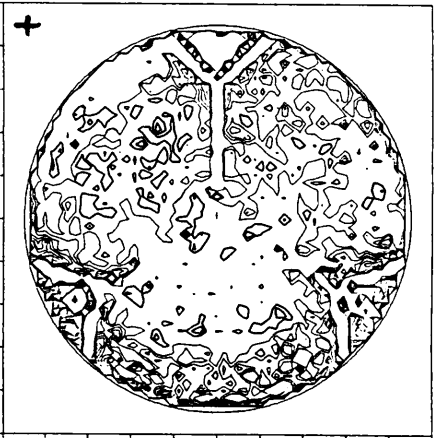
1回の修正後

$\sigma = 179 \mu\text{m}$ (45mm内)

$\sigma = 167 \mu\text{m}$ (43mm内)

$\sigma_w = 141 \mu\text{m}$ (45mm内)

(10/24 03:10)



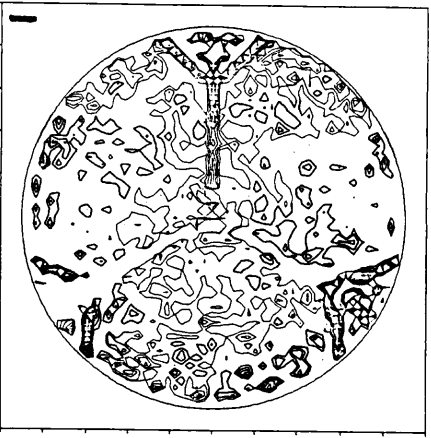
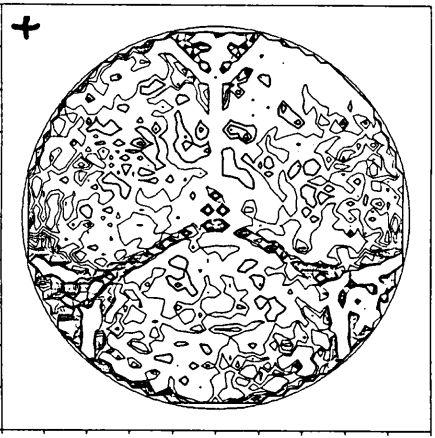
2回の修正後

$\sigma = 180 \mu\text{m}$ (45mm内)

$\sigma = 148 \mu\text{m}$ (43mm内)

$\sigma_w = 130 \mu\text{m}$ (45mm内)

(10/24 18:55)



3回の修正後

$\sigma = 161 \mu\text{m}$ (45mm内)

$\sigma = 137 \mu\text{m}$ (43mm内)

$\sigma_w = 115 \mu\text{m}$ (45mm内)

(10/25 23:48)