



National Aeronautics and
Space Administration

Washington, D.C.
20546

Reply to Attn of:

SZB

JUN - 2 1993

Mr. Kamil Madac
Madac bros.
Hroncova 15
040 01 Kosice
Slovakia
EUROPE

Dear Mr. Madac:

Thank you for your letter to Dr. Fisk, dated May 14, 1993. Your correspondence has been forwarded to me for a response.

I appreciate your taking the time to share your hypothesis with us. However, NASA and several independent panels of experts have arrived at the conclusion that the observed behavior of the Hubble Space Telescope (HST) mirror is fully explained both qualitatively and quantitatively by the hypothesis that spherical aberration in the primary mirror is present and that the observed effect is exactly what one would expect based on the fossil evidence. There is simply no evidence of any other plausible explanation. While minor discrepancies were found in the star catalog assembled by astronomers, there is no evidence of any problem with the fixed-head star tracker.

Given your interest in the performance of the HST, I am enclosing two fact sheets which provide additional information on the characterization of HST's spherical aberration and NASA's plans for a Shuttle servicing mission.

Thank you again for your interest.

Sincerely,

Dr. Edward Weiler
HST Program Scientist

Enclosures