

**RESOLUTIONS ADOPTED BY PARTICIPANTS AT
IAU SYMPOSIUM NUMBER 141**

Resolution concerning HIPPARCOS

IAU Symposium No. 141, "Inertial Coordinate System on the Sky", meeting in Leningrad, USSR, on 17–21 October 1989:

NOTES with great concern the current critical state of the HIPPARCOS mission,

STRESSES the extreme importance of HIPPARCOS to astronomy and the expectations of the world astronomical community,

CONGRATULATES the operational teams of the European Space Agency (ESA) on their great efforts to operate the satellite in its current highly elliptical orbit, and

URGES that the maximum possible scientific output be obtained from the present satellite, and

IF the objectives of the project cannot adequately be fulfilled by the current mission,

RECOMMENDS that ESA give consideration to implement a second mission with the minimum delay.

Resolution concerning Very Long Baseline Interferometry (VLBI)

The participants of IAU Symposium Number 141, "Inertial Coordinate System on the Sky",

NOTING

- 1) the capabilities offered by the observation of extragalactic sources;
- 2) the current status of active programs and the potential for future observing programs;

SUPPORT the

- 1) development of international cooperation of VLBI programs;
 - 2) development of observing capabilities for VLBI networks in many countries;
 - 3) cooperative application of the scientific data for the determination of reference systems.
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Resolution concerning Future Astrometry

At the time of the launch of HIPPARCOS and the anticipated launch of the Hubble Space Telescope and the 150th anniversary of the Central Astronomical Observatory of the USSR Academy of Sciences at Pulkovo, the participants in IAU Symposium 141 “Inertial Coordinate System on the Sky”

RECOGNIZE the

- 1) potential high accuracy, resolution and coverage that can be achieved by space techniques;
- 2) proposed new projects to be realized at different epochs which offer increased capabilities over space instruments currently available;
- 3) the value of international cooperation and the need for complementary techniques to achieve the best results;

URGE that every effort be made to

- 1) develop new satellites for high accuracy astrometric space observations;
 - 2) develop stellar and radio catalogues and reference frames at the milliarcsecond or better level;
 - 3) develop international cooperation in both planning and operations to ensure the achievement of high effectiveness at the lowest cost;
 - 4) obtain observations of star positions at milliarcsecond to microarcsecond levels;
 - 5) encourage the development of complementary high accuracy ground-based techniques.
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