GLONASS Data Analysis for IGS

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The long history of GLONASS orbit determination since 1998 demonstrates the possibility to generate orbits from a global GPS/GLONASS tracking network on a stable level. The differences between GPS and GLONASS in the signal frequencies, the reference systems and the system time have been accounted for and the corresponding strategies may be applied to combine GPS/GLONASS and also the new GALLEO. We plan to improve our analysis procedure with the introduction of the ansystems see well. However currently it seems worthwhile to vait for the new release 5 0 of the Bernese Software before implementing, setensive changes. We will continue to investigate some unresolved problems which show up in the combination of various GNSS system, e.g., the system time difference prevents the full ambiguity resolution. New GLONASS satellites are scheduled to be launched until the end of 2004 (see IGSMAIL 4816). This is an encouraging signal for our GLONASS satellites.