

AGENDA – SVLBI Forum

(As of 10th September 2013)

Monday 16th September

09:00-09:20 WELCOME REMARKS

Maurizio Falanga (Executive Director of ISSI-BJ)

Ji Wu (Chairman of Board of Trustees of ISSI-BJ)

Shuhua Ye (Academician, SHAO) or Xiaoyu Hong (Director of SHAO, Convener of the Forum)

Ken Kellermann (Academician, NRAO, Convener of the Forum)

SESSION I: COMPLEMENTARY SPACE VLBI MISSIONS

Chaired by Roger Bonnet

09:20-10:00 TDRSS, Quasat, IVS, ARISE, iARISE by Leonid Gurvits

10:00-10:25 VSOP by H.Hirabayashi

10:25-10:50 VSOP 2 and some recent considerations by Y. Murata

10:50-11:20 Break

Chaired by Y. Murata

11:20-12:05 RadioAstron and Millimetron by Yuri Kovalev

12:05-12:35 Discussion

12:45-14:00 Lunch

SESSION II: CHINESE SPACE VLBI PROPOSAL

Chaired by Leonid Gurvits

14:00-14:30 Space Programs of China by Ji Wu

14:30-15:10 The main concept of Chinese Space VLBI Array by Xiaoyu Hong

15:10-15:40 Scientific goals by Zhiqiang Shen

15:40-16:10 Break and Group photo

16:10-16:40 Space antenna design by Xiao Liu

16:40-17:05 Satellite design 1 by Jeng Ian Hong

17:05-17:30 Satellite design 2 by Zhiyu Cao

Tuesday 17th September

SESSION II: CHINESE SPACE VLBI PROPOSAL

Chaired by Ji Wu

08:30-09:00 Payload consideration by Qinghui Liu

09:00-09:30 Orbit design and (u,v) coverage by Tao An

09:30-10:00 Tracking and Orbit determination by Xiaogong Hu

10:00-10:30 Discussion

10:30-11:00 Break

SESSION III: SPACE VLBI SCIENCES

Chaired by Ken Kellermann

Scientific activities with ground VLBI networks:

11:00-11:30 NRAO: VLBA + JVLA, GBT by Bob Dickman

11:30-12:00 EVN and MERLIN by Leonid Gurvits

12:00-12:30 AGN and their relation to super massive black holes by Philip Edward

12:40-14:00 *Lunch*

Chaired by Zhiqiang Shen

14:00-14:30 Imaging science with space VLBI by Andrei Labanov

14:30-15:00 Masers by Willem Baan

15:00-15:30 Pulsars and the ISM by Carl Gwinn

15:30-16:00 *Break*

16:00-16:30 Relation of VLBI to ISS by David Jauncey

16:30-17:00 Polarization by Denise Gabuzda

17:00-17:30 Astrometry by Ken Johnston

17:30-18:00 Phase referencing by Ed Fomalont

Wednesday 18th September

SESSION IV: POSSIBLE INTERNATIONAL COLLABORATION

Chaired by D. Jauncey

- Receivers

08:30-08:45 Requirement, Capability in China by Bing Li

08:45-09:20 Discussion (possible collaboration)

- Correlators

09:20-09:35 Requirement, Capability in China by Xiuzhong Zhang

09:35-10:10 Discussion (capabilities in 2020 and possible collaboration)

- Tracking for stations

10:10-10:25 Possible tracking stations from China by Laiwo Fung

10:25-10:40 Discussion (the possible international tracking stations)

10:40-11:10 *Break*

Chaired by Hirashi Hirabayashi

- Ground VLBI stations, and science handling

11:10-11:25 Some considerations by Hirashi Hirabayashi

11:25-12:00 Discussion (Capability of Ground VLBI stations in 2020)

12:00-12:30 Other tech. requirement and Future direction of SVLBI by Larry D' Addario

12:40-14:00 *Lunch*

SESSION V. SUMMARY AND FUTURE PLANS

Chaired by Ken Kellermann and Xiaoyu Hong

14:00-16:30 Further discussion and recommendation for the Chinese project

Recommendations for future ISSI workshops/teams by M. Falanga

Future Action items (e.g., a detailed report/publication or a shorter ISSI-BJ Forum report)