

Scientific program of the Second VarSITI General Symposium (VarSITI-2017)

Poster Sessions

**Meeting place: Marriot Courtyard City Center, Irkutsk
July 10, 2017 – July 15, 2017**

Monday, July 10

Session 2

**Long-term variation of the sun, geomagnetic activity, and climate
18:10:00 - 19:30:00**

P2-1	LONG-TERM SPECTRAL COMPONENTS OF GLOBAL AND HEMISPHERE TEMPERATURES OVER THE LAST MILLENNIUM AND SOLAR FORCING <i>Tamara Kuznetsova</i>
P2-2	NONLINEAR DYNAMO MODELS OF PRESENT AND YOUNG SOLAR ANALOGS <i>Valerii Pipin</i>
P2-3	FORMATION OF POLAR CORONAL HOLES IN CYCLE 24 <i>Elena Golubeva, Alexander Mordvinov</i>
P2-4	MODERN DALTON MINIMUM AND DISASTER RISK ON CLIMATE CHANGE <i>Ahmed Abdel Hady</i>
P2-5	VARIABILITY OF THE X-RAY SUN FROM THE SOLAR ATMOSPHERE <i>Zavkiddin Mirtoshev</i>
P2-6	EXTREME SOLAR EVENTS: DEBATE ON VALIDITY, ORIGIN AND PROPERTIES <i>Leonty Miroshnichenko</i>
P2-7	INTENSE GEOMAGNETIC STORM EFFECTS ON THE NORTH ATLANTIC OSCILLATION <i>Gerardo L. Flores Ivaldi, Ana G. Elias, Marta Zossi, Teresita Heredia</i>
P2-8	INVESTIGATION OF SEASONAL TREND ANOMALIES IN MIDLATITUDE IONOSPHERE USING DROT <i>Feza Arikan, Emre Efendi, Ali Cinar, Secil Karatay</i>
P2-9	LONG-TERM RELATIONSHIP BETWEEN DOMINANT IMF SECTOR STRUCTURE AND IONOSPHERE VARIABILITY <i>Tamara Gulyaeva, Ljubov Poustovalova</i>
P2-10	ON THE REDUCED GEOEFFECTIVENESS OF SOLAR CYCLE 24: A MODERATE STORM PERSPECTIVE <i>Selvakumaran Ravindran, Veenadhari Bhaskara, Sachiko Akiyama, Megha Pandya, Gopalswamy Nat, Sandeep Kumar, Seiji Yashiro, Pertti Mäkelä, Hong Xie</i>
P2-11	RADIO EMISSION OF ACTIVITY COMPLEXES ON THE SUN IN MM- AND CM-WAVES <i>Anastasia Vidrenkova</i>
P2-12	SOLAR/SOLSPEC 9 YEARS OF SOLAR SPECTRAL IRRADIANCE FROM SPACE: NEW REFERENCE SPECTRA IN UV AND IR, AND VARIABILITY RESULTS

	<i>Luc Damé, Mustapha Meftah, David Bolsée, Nuno Pereira, Abdenour Irbah, Slimane Bekki, Alain Hauchecorne, Dominique Sluse, Gaël Cessateur</i>
P2-13	THE EXPECTED FLUXES OBSERVED BY STIX DURING DEEP MINIMUM OF SOLAR ACTIVITY <i>Magdalena Gryciuk, Tomasz Mrozek, Marek Siarkowski, Marek Stęślicki</i>
P2-14	THE FUTURE OF SOLAR SPECTRAL IRRADIANCE MEASUREMENTS IN THE ULTRAVIOLET WITH THE SOLSIM DOUBLE-MONOCROMATOR <i>Luc Damé, Mustapha Meftah, Abdenour Irbah, Nicolas Rouanet, Pierre Gilbert, David Bolsée, Nuno Pereira</i>
P2-15	THE LARGE SYMMETRIC SUNSPOT GROUPS AS POSTDICTIONATORS OF ACTIVE LONGITUDES AT THE SUN DISC <i>Alexey Rybak</i>
P2-16	THE LAMBDA EFFECT AND DOUBLE-CELL MERIDIONAL CIRCULATION STRUCTURE ON THE SUN <i>Valerii Pipin</i>
P2-17	ANALYSIS OF VARIATIONS OF EARTH'S MAGNETIC FIELD PRODUCED BY EQUATORIAL ELECTROJETS IN SUDAMERICA <i>Franklin Bolívar Aldás</i>
P2-18	HURRICANES OVER ATLANTIC REGION DURING 1851-2010 AND SOLAR INFLUENCE ON IT <i>Dhruba Banerjee</i>
P2-19	INFLUENCE OF SOLAR ACTIVITY ON INDIAN SUMMER MONSOON RAINFALL FOR THE LAST FIVE CENTURIES <i>Sourabh Bal</i>
P2-20	NORTH ATLANTIC OSCILLATION VARIABILITY LINKED TO THE AURORAL ELECTROJET INDEX, AE <i>Gerardo L. Flores Ivaldi, Marta Zossi, Teresita Heredia</i>
P2-21	PROPERTIES OF FILAMENTS IN SOLAR ACTIVITY CYCLES N 15-2 <i>Kseniia Tlatova, Valeriya Vasil'eva, Andrey Tlatov</i>
P2-22	TIME- AND SPATIME AND SPATIAL PATTERNS OF SOLAR VARIABILITY INFLUENCE ON THE EARTH'S CLIMATE <i>Alexander Ruzmaikin, Joan Feynman</i>

Session 1

Solar and heliospheric drivers of earth-affecting events

P1-1	COMPARISON OF THE MAIN OSCILLATION CHARACTERISTICS IN THE SOLAR CHROMOSPHERE, SOLAR WIND, AND MAGNETOSPHERE <i>Andrei Chelpanov, Nikolai Kobanov, Maksim Chelpanov, Sergei Chupin</i>
P1-2	AN ANALYSIS OF SOLAR ERUPTIVE PROCESSES USING COMBINED EUV AND RADIO MEASUREMENTS <i>Vratislav Krupar, Jasmina Magdalenic, Matthew West, Elke Dhuys, Lubomir Prech, Oksana Kruparova</i>
P1-3	CME-DRIVEN SHOCK BIRTH WITHIN THE LASCO C3 FIELD OF VIEW <i>Victor Fainshtein, Yaroslav Egorov</i>
P1-4	DETECTING THE SOLAR NEW MAGNETIC FLUX REGIONS ON THE BASE OF VECTOR MAGNETOGRAMS <i>Golovko Alexey, Salakhutdinova Irina</i>
P1-5	DIAGNOSTIC OF THE TEMPERATURE DISTRIBUTION IN CORONAL STRUCTURES ABOVE SUNSPOTS, USING 3-MIN OSCILLATIONS <i>Anastasiia Deres</i>

P1-6	THE SHOCK WAVE DEVELOPMENT IN A MAJOR SOLAR ERUPTIVE EVENT RESPONSIBLE FOR GLE63 <i>Valentin Kiselev, Victor Grechnev, Arcadiy Uralov, Alexey Kochanov</i>
P1-7	FLARE ENERGY RELEASE: INTERNAL CONFLICT, CONTRADICTION WITH HIGH RESOLUTION OBSERVATIONS, POSSIBLE SOLUTIONS <i>Lev Aron Pustilnik</i>
P1-8	INFLUENCE OF CME-CME AND CME-HSS INTERACTIONS ON THE PARAMETERS OF ICME AT 1AU <i>V. Slemzin, Yulia Shugay, Denis Rodkin, Farid Goryaev</i>
P1-9	KINEMATICS OF CMES AND RELATED SHOCKS FROM LASCO DATA: COMPARATIVE ANALYSIS <i>Victor Fainshtein, Yaroslav Egorov</i>
P1-10	LINK BETWEEN SLOW-MODE MHD WAVES AND QPPS IN SOLAR FLARES: MODE TRANSMISSION MECHANISM <i>Andrey Afanasyev, Arkadiy Uralov</i>
P1-11	MHD-SEISMOLOGY OF THE CORONAL MAGNETIC FIELD BY DECAY-LESS KINK OSCILLATIONS <i>Sergey Anfinogentov, Valery Nakariakov</i>
P1-12	POSSIBLE CAUSES OF SHOCK WAVES GENERATION IN THE SOLAR CORONA IN THE ABSENCE OF CORONAL MASS EJECTIONS <i>Victor Eselevich, Maxim Eselevich, Ivan Zimovets</i>
P1-13	SOLAR WIND CHARACTERISTICS IN POLAR REGIONS OF THE SUN CORONA BY STEREO DATA DURING 2009-2014 YEARS <i>Anastasiia Kudriavtseva, Dmitry Prosovetsky</i>
P1-14	ON THE MECHANISM OF PARTICLE ACCELERATION IN SPACE <i>Igor Podgorny, Alexander Podgorny</i>
P1-15	SYMPATHETIC FLARE ERUPTION USING HIGH RESOLUTION OBSERVATIONS <i>Aabha Monga</i>
P1-16	THERMAL INSTABILITY OF CURRENT LAYER AS A TRIGGER FOR SOLAR FLARES <i>Leonid Ledentsov, Boris Somov</i>

Tuesday, July 11

Session 1

Solar and heliospheric drivers of earth-affecting events (continuation)
18:00:00 - 19:30:00

P1-17	VARIATIONS IN THE CHARACTERISTICS OF THE SUNSPOT UMBRA MAGNETIC FIELD DURING FLARES AND CORONAL MASS EJECTIONS <i>Iuliia Zagainova, Victor Fainshtein, George Rudenko, Vladimir Obridko</i>
P1-18	2.5D SIMULATION OF MAGNETOHYDRODYNAMIC WAVE PROPAGATION AND ITS INTERACTION WITH A CORONAL HOLE <i>Isabell Piantschitsch, Bojan Vrsnak, Birgit Lemmerer, Arnold Hanslmeier, Tomislav Zic</i>
P1-19	INFLUENCE OF HSS-CME INTERACTIONS ON THE PARAMETERS OF HSS AT 1 AU <i>Yulia Shugay, Vladimir Slemzin, Denis Rodkin</i>
P1-20	ANALYSIS OF THE DIFFERENTIAL EMISSION MEASURE EVOLUTION FOR SOLAR FLARES OBSERVED BY RESIK <i>Anna Kepa, Magdalena Gryciuk, Barbara Sylwester, Janusz Sylwester, Marek Siarkowski</i>
P1-21	COMPARISON BETWEEN MAGNETIC PROPERTIES AND UMBRA AREA OF WESTERN AND EASTERN SUNSPOTS WITH DIFFERENT ASYMMETRY OF THE

	CONNECTING MAGNETIC FIELD <i>Iuliia Zagainova, Victor Fainshtein, George Rudenko, Vladimir Obridko</i>
P1-22	ENHANCED PLASMA UPFLOWS DURING THE EMERGENCE OF SMALL ACTIVE REGIONS IN THE SOLAR PHOTOSPHERE <i>Anna Khlystova, Shin Toriumi</i>
P1-23	KELVIN-HELMHOLTZ INSTABILITY BETWEEN SOLAR WINDS COMPONENTS IN 16-MOMENTUM MHD FORMALIS <i>Rajab Ismayilli, Namiq Dzhalilov, Bidzina Shergelashvili, Stefaan Poedts, Mahir Pirgulyev</i>
P1-24	MULTIFRACTAL DETRENDED FLUCTUATION ANALYSIS OF SOLAR WIND PLASMA AND INTERPLANETARY MAGNETIC FIELD DURING GEOMAGNETIC STORMS <i>Deepak Kumar Sondhiya</i>
P1-25	STEADY ANISOTROPIC OUTFLOWS: THE 16-MOMENTUM MHD APPROXIMATION <i>Mahir Sh. Pirgulyev, Namig Sardar Dzhalilov</i>
P1-26	THE MULTIWAVE SIBERIAN RADIOHELIOGRAPH: IMAGING SOFTWARE AND CALIBRATION <i>Anastasiia Fedotova, Alexey Kochanov, Sergey Lesovoi, Alexander Altyntsev, Victor Grechnev</i>
P1-27	TWO TYPES OF RESPONSE OF THE MAGNETOSPHERE TO THE INTERACTION WITH INTERPLANETARY SHOCKS IN THE GEOMAGNETIC PULSATIONS <i>Vladimir Parkhomov, Natalya Borodkova, Aleksandr Yakhnin, Aleksandr Pashinin, Tsegmed Botulai</i>
P1-28	COMPARISON OF CORONAL AND PHOTOSPHERIC ACTIVITY OF A VERY QUIET SUN <i>Szymon Gburek, Magdalena Gryciuk</i>
P1-29	CONNECTION BETWEEN MAGNETIC FIELD TOPOLOGY AND CHEMICAL ANOMALIES IN STELLAR CORONAS <i>Valerii Pipin, Vladimir Tomozov</i>
P1-30	SOLAR K-CORONA POLARIMETRY OBSERVATIONS WITH METIS - SOLAR ORBITER <i>Marta Casti</i>

Session 3

Coupling between the Earth's atmosphere and space and its relation to quiet and active Sun

P3-1	A MATHEMATICAL MODEL OF QUASI-STATIONARY ELECTRIC FIELD PENETRATION FROM GROUND TO THE IONOSPHERE <i>Denisenko Valery</i>
P3-2	ESTIMATING EQUATORIAL DAYTIME VERTICAL $E \times B$ DRIFT VELOCITIES FROM MAGNETIC FIELD VARIATIONS <i>Kassamba Abdel Aziz Diaby</i>
P3-3	COMPARISON OF THE MEDIUM-SCALE WAVE ACTIVITY IN THE IONOSPHERE OBSERVED BY THE KAZAN IONOSONDE “CYCLONE”, DENSE GPS/GLONASS RECEIVER NETWORK IN THE MIDDLE VOLGA REGION, AND EKATERINBURG HF RADAR <i>Adel D Akchurin, Alexey Oinats, Roman Sherstyukov</i>
P3-4	COSEISMIC VERTICAL MIDSCALE IONOSPHERIC DISTURBANCES BASED ON IRKUTSK CHIRP IONOSONDE DATA IN 2011-2016 <i>Oleg Berngardt, Natalia Perevalova, Aleksey Podlesnyi, Vladimir Kurkin, Geliy Zhrebtsov</i>
P3-5	EQUATORIAL IONOSPHERIC VARIATIONS CAUSED BY THE DIFFERENT LARGE SCALE SOLAR WIND STRUCTURES

	<i>Lilia Biktash</i>
P3-6	EXPERIMENTAL STUDY OF IGW-WIND INTERACTION USING THE COMBINED IRKUTSK INCOHERENT SCATTER RADAR AND IONOSONDE DATA <i>Andrey Medvedev, Konstantin Ratovsky, Maxim TOLSTIKOV, Sergey Alsatkin</i>
P3-7	INFLUENCE OF METEOROLOGICAL PROCESSES ON IONOSPHERE IN EASTERN EUROPE <i>Olga Borchevkina, Ivan Karpov, Pavel Vasiliev, Alexandra Ilminskaya, Fedor Bessarab</i>
P3-8	INFRA-RED TEMPERATURE MAPPING STUDIES OF MESOSPHERIC GRAVITY WAVES <i>Michael John Taylor, Pierre-Dominique Pautet, Yucheng Zhao, Neal Criddle, Pattilyn McLaughlin, W R Pedlenton Jr., David Fritts, Gunter Stober, Franz-Josef Lübken, Bernd Kaifler, Markus Rapp, Steve Smith, Ben Liley</i>
P3-9	IONOSPHERIC DISTURBANCES AFTER THE MAIN PHASE OF GEOMAGNETIC STORM <i>Maxim Vladimirovich Klimenko, Vladimir Klimenko, Konstantin Ratovsky, Dmitriev Alexei, Alla Suvorova, Irina Zakharenkova</i>
P3-10	LONG TERM METEOR RADAR OBSERVATIONS OF GRAVITY WAVE ACTIVITY IN THE MESOSPHERIC LOWER THERMOSPHERIC REGION OVER A LOW LATITUDE STATION <i>Maria Antonita Thithonis</i>
P3-11	SEASONAL ANOMALIES AND VARIATIONS IN EQUINOX AND SOLSTICE PERIODS IN IONOSPHERE OVER TURKEY <i>Secil Karatay, Ali Cinar, Feza Arikan</i>
P3-12	SOLAR AND METEOROLOGICAL CONTROL OF THE HIGH-FRIEQUENCY TOTAL ELECTRON CONTENT VARIABILITY <i>Anna Yasyukevich, Marina Chernigovskaya, Anna Mylnikova, Boris Shpynev</i>
P3-13	SOLAR SIGNATURES WITHIN ATMOSPHERIC AND IONOSPHERIC PARAMETERS <i>Petra Koucka Knizova, Katya Georgieva, Zbysek Mosna, Boian Kirov, Daniel Kouba</i>
P3-14	SQ CHANGES RELATED TO EARTH' S MAGNETIC FIELD SECULAR VARIATIONS AND SOLAR ACTIVITY EFFECTS <i>Blas de Haro Barbas, Bruno Zossi, Ana Elias</i>
P3-15	BURSTS OF MAGNETOSPHERE CHARGED PARTICLE FLUXES AND VARIOUS TYPES OF GEOMSGNETIC PULSATIONS AND ATMOSPHERE GLOWS DURING THE SUPERSTORM AT MIDDLE LATITUDES NEAR IRKUTSK <i>Yulia Klibanova, Vladimir Mishin, Battuulai Tsegmed</i>
P3-16	COMPARISON OF NMF2 SOLAR ACTIVITY DEPENDENCE OVER KALININGRAD AND IRKUTSK - EMPIRICAL MODEL' S RESULTS <i>Nikolay Chirik, Alexander Markov, Maxim Vladimirovich Klimenko, Konstantin Ratovsky, Alexander Karpachev, Vladimir Klimenko, Lubov Pustovalova, Nina Korenkova</i>
P3-17	COMPARISON OF THE LEVEL OF IONOSPHERE DISTURBANCE AT SEVERAL GNSS STATIONS <i>Olga Timofeeva, Natalia Perevalova, Darya Katashevtseva, Ilya Edemskiy</i>
P3-18	GLOBAL ELECTRON CONTENT IN THE 23rd and 24th SOLAR CYCLES <i>Yury Yasyukevich, Anna Yasyukevich, Ilya Zhivetiev</i>
P3-19	IONOSPHERIC CONDUCTING LAYER HEIGHT CHANGES DUE TO GEOMAGNETIC SECULAR VARIATIONS AND SOLAR ACTIVITY LEVEL <i>Blas de Haro Barbas, Bruno Zossi, Ana Elias</i>
P3-20	STUDY OF GROUND BACKSCATTER INTENSITY REGISTERED BY THE EKATERINBURG HF RADAR <i>Alexey V Oinats, Oleg I Berngardt, Nikolay T Afanasiev</i>
P3-21	THE CHELYABINSK METEORITE EFFECTS IN IONOSPHERE ACCORDING TO THE

	GPS NETWORK DATA <i>Natalia Perevalova, Nikolay Shestakov, Sergey Voeykov</i>
P3-22	THE EARTH'S ATMOSPHERE IONIZATION RATE CALCULATION WITH THE RUSCOSMICS SOFTWARE PACKAGE <i>Eugeny Mauricev</i>
P3-23	THE RELATIVE ROLE OF IONOSPHERIC CONDUCTIVITY AND ELECTRIC FIELD IN THE DYNAMICS OF FIELD-ALIGNED CURRENTS ON THE NIGHT SIDE DURING A SUBSTORM <i>Vladimir Mishin, Vilen Mishin, Marina Kurikalova, Sergei Lunyushkin, Ludmila Sapronova, Yury Pensikh, Andrey Kondratev</i>

Wednesday, July 12

Session 4

**Understanding the earth's space environment and its connection to space weather,
18:10:00 - 19:30:00**

P4-1	EXPERIMENTAL STUDY OF THE PLASMASPHERE BOUNDARY LAYER <i>Galina Kotova, Mikhail Verigin, Vladilen Bezrukikh, Joseph F. Lemaire</i>
P4-2	RELATIONSHIP BETWEEN SOLAR WIND DIFFERENT TYPES AND LATITUDINAL PROPAGATION OF SUBSTORMS <i>Irina Despirak, Andris Lubchich, Natalya Kleimenova, Veneta Guineva</i>
P4-3	ABOUT OBSERVATIONS OF SPECTRAL RESONANCE STRUCTURES IN THE FREQUENCY BAND OF THE ALFVEN IONOSPHERIC RESONATOR AT THE MAGNETIC STATION BAYGAZAN <i>Alexey Gvozdev, Evgeniy Utchaikin, Alexandr Kolmakov, Sumer Kelyuev</i>
P4-4	ANALYSIS OF FINE STRUCTURE OF BACKSCATTERED SIGNALS BASED ON EKB ISTP SB RAS RADAR DATA <i>Ivan Lavygin, Valentin Lebedev, Konstantin Grkovich, Oleg Berngardt</i>
P4-5	ANALYSIS OF TECHNIQUE FOR PLASMA TEMPERATURES DETERMINATION ON THE BASIS OF RADIOPHYSICAL MODEL OF INCOHERENT SCATTER SIGNAL <i>Viktor Tashlykov, Andrey Medvedev</i>
P4-6	COMPARISON BETWEEN CALIBRATED AND ABSOLUTE POWER MEASUREMENTS AT THE IRKUTSK INCOHERENT SCATTER RADAR <i>Artem Setov, Andrey Medvedev, Valentin Lebedev, Dmitriy Kushnarev, Sergey Alsatkin, Victor Tashlykov</i>
P4-7	CORRECTION OF THE NEQUICK MODEL AT HIGH LATITUDES USING GROUND-BASED GNSS RECEIVERS - VERIFICATION BY IONOSONDE DATA AND HF RAY TRACING <i>Daria Kotova, Vladimir Ovodenko, Yury Yasyukevich, Igor Nosikov, Maxim Klimenko</i>
P4-8	EXPOSURE TO EXTERNAL INFLUENCES EARTH AND SOLAR SYSTEM <i>Gennady Smolkov</i>
P4-9	FABRY-PEROT INTERFEROMETER KEO SCIENTIFIC AIRGLOW OBSERVATION IN THE EASTERN SIBERIA: FIRST RESULTS <i>Roman Vasilyev, Alexandr Mikhalev, Irina Medvedeva, Geliy Zherebtsov, Alexander Beletsky, Tatyana Syrenova</i>
P4-10	FORCING OF COSMIC RAYS ON THE EARTH'S ATMOSPHERE <i>Alexei Krivolutsky</i>
P4-11	FORMATION OF HIGH DENSITY REGIONS IN THE PLASMASPHERE BY VERTICAL

	FLUXES OF COLD IONS FROM THE IONOSPHERE <i>Victor Khalipov, Galina Kotova, Mikhail Verigin, Alexander Stepanov</i>
P4-12	GROUND-BASED SUPPORT OF SATELLITE MISSIONS AT KOLA PENINSULA <i>Boris Kozelov</i>
P4-13	INVESTIGATING THE TOTAL COLUMNAL ELECTRON CONTENT RESPONSE TO GEOMAGNETIC ACTIVITY AT TORO AN EQUATORIAL STATION <i>Rasheedat Bola Abdulrahim, J. O. Adeniyi</i>
P4-14	MODELING THE FORMATION OF HOT RING ZONE IN THE SUBAURORAL IONOSPHERE IN WINTER <i>Artem Gololobov, Innokenty Golikov, Ilya Varlamov</i>
P4-15	PREMIER INVESTIGATION OF THE OCCURRENCE FREQUENCY OF EQUATORIAL PLASMA BUBBLES OVER NIGERIA USING THE ALL-SKY OPTICAL IMAGER AND GNSS OBSERVATIONS <i>Akeem Babatunde RABIU, A Babatunde Rabi, Daniel I Okoh, K Shiokawa, E O Falayi, O S Bolaji, E O Oyeyemi, R O Kaka, S E Onwuneme</i>
P4-16	REAL-TIME MODIFICATION OF OVATION-PRIME-PC MODEL: VALIDATION AND NOWCASTING <i>Alexander Nikolaev, Vera Nikolaeva, Oleg Troshichev, Patrick Newell</i>
P4-17	SIMULTANEOUS OBSERVATION OF RADIO SIGNAL IONOSPHERIC SCINTILLATIONS IN METER AND DECAMETER BANDS IN THE DIRECTION OF THE MAGNETIC ZENITH <i>Mariia Globa, Roman Vasilyev, Yury Yasyukevich</i>
P4-18	STATISTICAL CHARACTERISTICS OF FLASHES IN THE ATMOSPHERE BASED ON CCD PHOTOMETER DATA <i>Ivan Tkachev, Roman Vasilyev, Alexander Mikhalev, Stepan Podlesny, Artem Setov</i>
P4-19	SUBAURORAL ION OUTFLOW WITHIN POLARISATION JET <i>Artem Gololobov, Alexander Stepanov, Viktor Khalipov, Innokentiy Alexeevich Golikov</i>
P4-20	SUBSTORMS OBSERVED DURING GEOMAGNETIC STORMS BY THE CAMERAS SYSTEM MAIN IN APATITY <i>Veneta Hristova Guineva, Irina Despirak, Boris Kozelov, Rolf Werner</i>
P4-21	TEC VARIATIONS OVER MEXICO OBTAINED WITH TAYABSTEC METHOD <i>Maria A Sergeeva, Olga A Maltseva, Juan Americo Gonzalez-Esparza, Victor Jose Gatica-Acevedo</i>
P4-22	THE JOINT ANALYSIS OF THE DYNAMICS OF THE IONOSPHERE PARAMETERS AND COSMIC RAYS DURING PERIODS OF INCREASED SOLAR ACTIVITY <i>Oksana Mandrikova, Yury Polozov, Timur Zalyaev, Dmitry Baishev, Boris Shevtsov</i>
P4-23	THE RESPONSE OF THE IONOSPHERIC F2 LAYER PEAK PARAMETERS AROUND THE CREST OF THE EIA TO SOME SPACE WEATHER EVENTS <i>Jacob Olusegun Adeniyi, Benjamin Wisdom Joshua</i>
P4-24	GEOEFFECTS OF CHELYABINSK METEOROID ENTERING THE EARTH'S MAGNETOSPHERE <i>Iurii Lipko, Ravil Rakhmatulin, Alexandr Pashinin</i>
P4-25	CHARACTERING THE GEOMAGNETIC FIELD VARIABILITY FOR THE STUDY OF MAGNETIC STORM AND SUBSTORM IMPACT ON ELECTRIC POWER LINES <i>Vjacheslav Pilipenko, Vladimir Belakhovsky, Yaroslav Sakharov, Vasiliy Selivanov</i>
P4-26	DYNAMICS OF THE PROTON AURORA AND SAR ARC ACCORDING TO THE ALL-SKY IMAGER DATA AS THE MAPPING OF PC1 WAVE EASTWARD PROPAGATION ALONG THE PLASMAPAUSE <i>Igor Ievenko, Stanislav Parnikov, Dmitriy Baishev</i>
P4-27	EFFECTIVE RECOMBINATION COEFFICIENTS IN THE HIGH-LATITUDE LOWER IONOSPHERE FROM SOLAR FLARES OBSERVATIONS <i>Sergei Cherniakov</i>

P4-28	EXPERIMENTAL STUDIES OF PHYSICAL CONDITIONS FOR THE POLARIZATION JET FORMATION <i>Victor Khalipov, Alexander Stepanov, Elena Bondar</i>
P4-29	HIGH-ENERGY MAGNETOSPHERIC ELECTRONS DURING LAST SOLAR CICLES <i>Olga Kryakunova, Anatoliy Belov, Artem Abunin, Maria Abunina, Sergei Gaidash, Irina Tsepakina, Nikolay Nikolayevskiy</i>
P4-30	INTER-HEMISPHERIC FIELD ALIGNED CURRENT CHARACTERISATION IN THE AFRICAN SECTOR AND ITS RESPONSE TO A 2009 SUDDEN STRATOSPHERIC WARMING EVENT <i>Oluwafisayo Paul Owolabi, Olawale Segun Bolaji, Jacob Olusegun Adeniyi, Elijah Oyedola Oyeyemi, Babatunde Akeem Rabi, John Bosco Habarulema, Pierre Cilliers, Lee-Anne McKinnell</i>
P4-31	INVESTIGATION OF ACTIVE AREA DYNAMICS IN AURORAL ZONE USING OBSERVATIONS OF IRREGULAR GEOMAGNETIC PULSATIONS <i>Iurii Lipko, Ravil Rakhmatulin, Alexandr Pashinin</i>
P4-32	ITUHAB <i>Furkan Ali Kucuk</i>
P4-33	MANIFESTATIONS OF THE INTENSE CONVECTION AND SUBSTORM IN THE PROTON AND ELECTRON AURORA DYNAMICS AND IN THE SAR ARC OCCURRENCE <i>Igor Ievenko, Stanislav Parnikov</i>
P4-34	PRECIPITATION OF RELATIVISTIC ELECTRONS UNDER CYCLOTRON RESONANT INTERACTION WITH ELECTROMAGNETIC ION-CYCLOTRON WAVES <i>Veronika Grach, Andrei Demekhov</i>
P4-35	PROCESSES IN THE FRONT OF BOW SHOCK <i>Pavel Sedykh</i>
P4-36	RESPONSE OF HIGH FREQUENCY RADIO WAVE PROPAGATION CHARACTERISTICS TO THE X-RAY FLUX VARIATIONS <i>Vera Alexandrovna Ivanova, Sergey Ponomarchuk, Aleksey Podlesnyi, Zinaida Dumbrava, Aleksey Poddelsky</i>
P4-37	STORM TIME OCCURRENCE OF THE IONOSPHERIC TROUGH IN GPS-TEC MEASUREMENTS OVER EUROPE <i>Irk Shagimuratov, Galina Yakimova, Ivan Efshov, Nadezhda Tepenitsyna, Luiza Koltunen, Olga Borchevkina</i>
P4-38	THE DRIFT-COMPRESSION WAVES PROPAGATING IN THE EASTERN DIRECTION <i>Danila Kostarev</i>

Session 5

Sun to Earth campaign event study

P5-1	CHANGES IN OZONOSPHERE AND LOWER IONOSPHERE INDUCED BY SOLAR PROTON EVENT OF 28 OCTOBER 2003 (3D SIMULATIONS) <i>Alexei Krivolutsky, Lidiya Cherepanova, Maik J. Wissing</i>
P5-2	PHOTOSPHERIC MAGNETIC FIELD VARIATIONS DURING THE 7 JUNE 2011 M2.5 FLARE <i>Yaroslav Egorov, Victor Fainshtein, George Rudenko</i>
P5-3	QUIESCENT FILAMENT ERUPTION AND ASSOCIATED FLARE ON 29 SEPTEMBER 2013 <i>Ramesh Chandra</i>
P5-4	TEC ENHANCEMENT IN SOUTHERN HEMISPHERE DURING MAGNETIC STORM OF AUGUST, 15, 2015

	<i>Ilya Edemskiy, Jan Lastovicka, Dalia Buresova, John Bosco Habarulema</i>
P5-5	ULF BURSTS ACCOMPANYING SOLAR WIND SUDDEN IMPULSES <i>Battuulai Tsegmed, Alexander Potapov</i>
P5-6	BEHAVIOR OF IONOSPHERIC TOTAL ELECTRON CONTENT IN THE HIGH LATITUDES ON 4-6 MAY 2013 <i>Darya Katashevtseva, Natalia Perevalova, Olga Timofeeva, Elena Romanova</i>
P5-7	EFFECTS OF SPACE WEATHER ON THE IONOSPHERE: A CASE STUDY OF THE GEOMAGNETIC STORMS DURING THE PERIOD 17-28 FEBRUARY, 2014 <i>Sharon Aol</i>
P5-8	ELEMENTARY ACTS OF ENERGY RELEASE IN THE INITIAL STAGE OF THE 4 AUGUST 2011 FLARE. <i>Nataliia Meshalkina, Alexander Altyntsev, Hana Meszarosova, Marian Karlicky, Sergey Lesovoi</i>
P5-9	THE PATTERN OF IONOSPHERIC DISTURBANCES CAUSED BY COMPLEX INTERPLANETARY STRUCTURE ON 19-22 DECEMBER 2015 <i>Vladimir Kurkin, Nelya Polekh, Nina Zolotukhina</i>
P5-10	MULTI-WAVELENGTH IMAGING OBSERVATIONS OF SOLAR BURSTS FROM A PECULIAR RING FLARING REGION ON 2014 DECEMBER 17 <i>Xingyao Chen, Yihua Yan, Jing Huang, Baolin Tan, Wei Wang, Linjie Chen</i>

Thursday, July 13

Session 6

Atmospheric response to solar variability and modulation of its impact on timescales from minutes to decades, 18:00:00 - 19:30:00

P6-1	ON THE MECHANISM OF INFLUENCE OF HELIOGEOPHYSICAL DISTURBANCES ON THE EARTH TROPOSPHERE <i>Sergey Molodykh</i>
P6-2	RADIOCARBON EVIDENCE OF SEASONAL ATMOSPHERE–OCEAN GAS EXCHANGE <i>Alexey Byalko</i>
P6-3	SOLAR ACTIVITY VARIATIONS INDUCING EFFECTS OF LIGHT SCATTERING AND REFRACTION IN THE EARTH'S ATMOSPHERE <i>Pavel Kovadlo, Vladimir Lukin, Artem Shikhovtsev, Elena Kochugova</i>
P6-4	USING THE EMISSIONS OF EXCITED OXYGEN TO STUDY FAST [O3] VARIATIONS IN THE MESOSPHERE AND LOWER THERMOSPHERE <i>Rada Manuilova, Valentine Yankovsky</i>
P6-5	MITIGATION OF CHALLENGE OF RECALIBRATION OF SUNSPOT NUMBERS USING PROXIES OF SOLAR ACTIVITY FOR THE IONOSPHERIC MODELS <i>Tamara GULYAEVA, Feza Arikan, Dieter Bilitza</i>
P6-6	CLIMATE VARIATIONS INITIATED BY JOINT EFFECT OF SOLAR UV VARIABILITY AND THE ACTIVITY OF PLANETARY WAVES (SIMULATIONS WITH ARM AND DATA ANALYSIS <i>Alexei Krivolutsky, Alla Dementeva, Lidiya Cherepanova</i>
P6-7	CONTRIBUTION OF RELATIVISTIC ELECTRON PRECIPITATION FROM RADIATION BELT TO THE TOTAL OZONE CONTENT OVER HIGH LATITUDES AND ENTIRE GLOBE <i>Arseniy Karagodin, Irina Mironova</i>
P6-8	LONG-TERM GLOBAL TEMPERATURE VARIATIONS UNDER TOTAL SOLAR IRRADIANCE, COSMIC RAYS, AND VOLCANIC ACTIVITY

	<i>Lilia Biktash</i>
P6-9	NONLINEAR SPECTRAL ANALYSIS OF CARBON C14 FOR THE LAST 12,000 YEARS: ABRUPT CLIMATE CHANGES IN THE PAST AND FUTURE <i>Tamara Kuznetsova</i>
P6-10	THE SOLAR UV OBSERVATIONS IN ANTARCTICA (NOVOLAZAREVSKAYA STATION) IN THE GROWTH PHASE OF THE 24TH SOLAR ACTIVITY CYCLE <i>Serge Shapovalov, Oleg Troshichev</i>
P6-11	PECULIARITIES OF THE GEOMAGNETIC FIELD VARIATIONS IN QUIET AND DISTURBED CONDITIONS <i>Boris Shpynev, Denis Khabituev</i>
P6-12	FUSION OF IONOSONDE MEASUREMENTS AND TEC ESTIMATIONS USING STATISTICAL TECHNIQUES <i>Ozan Koroglu, Feza Arikan, Cenk Toker, Harun Artuner, Zbysek Mosna</i>
P6-13	SUITS/SWUSV: A SMALL-SIZE MISSION TO ADDRESS SOLAR SPECTRAL VARIABILITY, SPACE WEATHER, EXTREME EVENTS AND SOLAR-CLIMATE RELATIONS <i>Luc Damé, Alain Hauchecorne, Slimane Bekki, Mustapha Meftah, Abdenour Irbah, Philippe Keckhut, Eric Quémerais, Alain Sarkissian, Marion Marchand, Rémi Thiéblemont, David Bolsée, Nuno Pereira, Gaël Cessateur, Werner Schmutz, Margit Haberreiter, Julian Gröbner, Robert Wimmer-Schweingruber, Steven Dewitte, André Chevalier, Kanaris Tsinganos</i>
P6-14	A STUDY OF TROPICAL CYCLONES OVER INDIA (BAY OF BENGAL AND ARABIAN SEA) AND SOLAR INFLUENCE ON IT <i>Dhruba Banerjee</i>
P6-15	DIFFERENCES IN THE INTENSITY OF THE STRATOSPHERIC CIRCULATION MERIDIONALITY FOR THE SOLAR MAXIMA AND MINIMA CONDITIONS <i>Elena Devyatova, Vladimir Mordvinov, Olga Antokhina, Pavel Antokhin</i>
P6-16	EMPIRICAL MODEL OF SPATIAL-TEMPORAL VARIATIONS IN THE INTENSITY OF CARBON DIOXIDE (15 MICRONS) INFRARED RADIATION IN THE UPPER ATMOSPHERE <i>Anatoly Semenov, Irina Medvedeva, Vladimir Perminov, Vladislav Khomich</i>
P6-17	EXITED COMPONENTS OF THE ATMOSPHERE AS THE POSSIBLE CAUSE OF LIDAR BACKSCATTERING IN THE MESOSPHERE AND UPPER ATMOSPHERE <i>Vasily Bychkov, Andrey Perezhogin, Ilya Seredkin, Boris Shevtsov</i>
P6-18	INFLUENCES OF CLIMATE FORCING FACTORS ON TEMPERATURE ANOMALIES AT REGIONAL SCALES <i>Rolf Heinz Werner, Dimitar Valev, Dimitar Danov, Veneta Guineva, Andrey Kirillov</i>
P6-19	MESOPAUSE TEMPERATURE UNDER GLOBAL CLIMATE CHANGE FROM LONG-TERM OBSERVATIONS AND MODEL SIMULATIONS <i>Igor Mokhov, Anatoliy Semenov, Evgenii Volodin, Maria Dembitskaya</i>
P6-20	UPPER ATMOSPHERE CONDUCTIVITY MODEL AND CONDUCTIVITIES EFFECTS ON MODELING OF ATMOSPHERIC TIDES AT DIFFERENT LEVELS OF SOLAR ACTIVITY <i>Nikita Shevchuk</i>
P6-21	WAVE AMPLIFICATION DURING SOLAR EVENTS BASED ON THE OBSERVATIONS OF ELECTRIC PARAMETERS OF THE NEAR GROUND ATMOSPHERE <i>Sergey Smirnov</i>
P6-22	METEOR TRAIL OBSERVATIONS AT EKB ISTP SB RAS RADAR <i>Roman Fedorov, Oleg Berngardt</i>
P6-23	MODELING INTERFEROGRAM IMAGES FOR THE OUTPUT DATA SIMULATION OF FABRYPEROT INTERFEROMETER <i>Maksim Artamonov, Roman Vasilyev</i>
P6-24	PROPAGATION OF STATIONARY PLANETARY WAVES FROM THE LOWER TO THE UPPER ATMOSPHERE AT DIFFERENT LEVELS OF SOLAR ACTIVITY

	<i>Nikolai Gavrilov, Andrej Koval, Alexander Pogoreltsev, Nikita Shevchuk</i>
P6-25	GEOMAGNETIC ACTIVITY SIGNATURE IN MESOPAUSE TEMPERATURE OVER YAKUTIA G <i>Gavrilyeva, P. Ammosov, A. Ammosova, I. Koltovskoi, V. Sivtseva</i>
P6-26	THE PERFORMANCE OF THE TEC INPUT OPTION OF THE IRI-PLAS MODEL AT TWO EQUATORIAL STATIONS <i>Shola John Adebisi, Babatunde Olufemi Adebisi, Stephen Oluwale Ikubanni, Benjamin Wisdom Joshua</i>

Session 7

Data archiving and analysis tools

P7-1	APPLICATION OF A ROBUST CRITERION FOR FILTERING TIME SERIES OF IONOSPHERIC PARAMETERS <i>Inna Belashva, Vladimir Bochkarev</i>
P7-2	IRI-PLAS WITH TEC ASSIMILATION AS AN ONLINE SERVICE AT IONOLAB <i>Feza Arikani</i>
P7-3	CAPABILITIES OF MOBILE ROBOTS TO MAP ELECTROMAGNETIC RADIATION OF LITHOSPHERIC ORIGIN <i>Vladimir Mochalov, Vladimir Uvarov</i>
P7-4	A STUDY OF POSSIBILITIES OF “GNU RADIO COMPANION” FOR CHIRP SIGNAL PROCESSING <i>Andrew Naumenko</i>
P7-5	CURRENT STATUS OF CATALOG OF LARGE-SCALE SOLAR WIND PHENOMENA <i>Irina Lodkina</i>
P7-6	INTERFERENCES ON THE CORRELATION DATA OF THE SIBERIAN RADIOHELIOGRAPH <i>Veronika Kobets</i>
P7-7	IRNSS/GPS DATA ANALYSIS FOR IONOSPHERIC STUDIES AT SANGLI (LATITUDE: 16°51' N, LONGITUDE: 74°34' E) <i>Dadaso Jaypal Shetti</i>
P7-8	KONUS-WIND HARD X-RAY AND SOFT GAMMA-RAY SOLAR FLARE DATABASE <i>Alexandra Lvovna</i>
P7-9	METHODICAL AND SOFTWARE TOOLS FOR THE PROCESSING OF THE RAW DATA OF THE MAGNETIC OBSERVATORIES <i>Sergey Khomutov</i>
P7-10	NEW PROTON EVENT CATALOGS AND STATISTICAL RESULTS <i>Rositsa Miteva</i>
P7-11	THE TECHNIQUE FOR ESTIMATION OF ABSOLUTE TOTAL ELECTRON CONTENT USING DUAL-FREQUENCY AND SINGLE-FREQUENCY GPS/GLONASS DATA <i>Anna Mylnikova, Yury Yasyukevich, Vsevolod Ivanov</i>
P7-12	WDS ASIA-OCEANIA CONFERENCE, 2017 <i>Takashi Watanabe</i>