Bibliography from ADS file: appourchaux.bib
September 14, 2022

Sinjan, J., Calchetti, D., Hirzberger, J., et al., *"The on-ground data reduction and calibration pipeline for SO/PHI-HRT"*, 2022arXiv220814904S ADS

Ball, W. H., Miglio, A., Chaplin, W. J., et al., *"Solar-like oscillations and ellipsoidal variations in TESS observations of the binary 12 Boötis"*, 2022MNRAS.tmp.2121B ADS

Kahil, F., Hirzberger, J., Solanki, S. K., et al., *"The magnetic drivers of campfires seen by the Polarimetric and Helioseismic Imager (PHI) on Solar Orbiter"*, 2022A&A...660A.143K ADS

Cabrera, J., Rauer, H., Börner, A., et al., *"PLATO Performance"*, 2021plat.confE..95C ADS

Harra, L., Andretta, V., Appourchaux, T., et al., *"A journey of exploration to the polar regions of a star: probing the solar poles and the heliosphere from high helio-latitude"*, 2021ExA...tmp...93H ADS

Pinçon, C., Appourchaux, T., & Buldgen, G., *"Amplitude of solar gravity modes generated by penetrative plumes"*, 2021A&A...650A..47P ADS

Schmider, F.-X., Dejonghe, J., Guillot, T., et al., *"Characteristics and performances of an interferometric Doppler imager installed at the 188 cm telescope of Okayama Observatory"*, 2020SPIE11447E..3DS ADS

Finsterle, W., Harra, L., Andretta, V., et al., *"A Journey of Exploration to the Polar Regions of a Star: Probing the Solar Poles and the Heliosphere from High Helio-Latitude"*, 2020AGUFMSH0110005F ADS

Appourchaux, T., *"On attempting to automate the identification of mixed dipole modes for subgiant stars"*, 2020A&A...642A.226A ADS

SPICE Consortium, Anderson, M., Appourchaux, T., et al., *"The Solar Orbiter SPICE instrument. An extreme UV imaging spectrometer"*, 2020A&A...642A..14S ADS

Solanki, S. K., del Toro Iniesta, J. C., Woch, J., et al., *"The Polarimetric and Helioseismic Imager on Solar Orbiter"*, 2020A&A...642A..11S ADS

Rochus, P., Auchère, F., Berghmans, D., et al., *"The Solar Orbiter EUI instrument: The Extreme Ultraviolet Imager"*, 2020A&A...642A...8R ADS

Zouganelis, I., De Groof, A., Walsh, A. P., et al., *"The Solar Orbiter Science Activity Plan. Translating solar and heliospheric physics questions into action"*, 2020A&A...642A...3Z ADS

Metcalfe, T. S., van Saders, J. L., Basu, S., et al., *"The Evolution of Rotation and Magnetic Activity in 94 Aqr Aa from Asteroseismology with TESS"*, 2020ApJ...900..154M ADS

Hassler, D. M., Newmark, J., Gibson, S., et al., *"The Solaris Solar Polar Mission"*, 2020EGUGA..2217703H ADS

Chaplin, W. J., Serenelli, A. M., Miglio, A., et al., *"Age dating of an early Milky Way merger via asteroseismology of the naked-eye star ν Indi"*, 2020NatAs...4..382C ADS

Schmider, F.-X., Guillot, T., Gonçalves, I., et al., *"Jupiter atmospheric dynamics from ground-based Doppler imaging"*, 2019EPSC...13.1613S ADS

Huber, D., Chaplin, W. J., Chontos, A., et al., *"VizieR Online Data Catalog: High-precision radial velocities for HD 221416 (Huber+, 2019)"*, 2019yCat.51570245H ADS

Houdek, G., Lund, M. N., Trampedach, R., et al., *"Damping rates and frequency corrections of Kepler LEGACY stars"*, 2019MNRAS.487..595H ADS

Huber, D., Chaplin, W. J., Chontos, A., et al., *"A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS"*, 2019AJ....157..245H ADS

Appourchaux, T. & Corbard, T., *"Searching for g modes. II. Unconfirmed g-mode detection in the power spectrum of the time series of round-trip travel time"*, 2019A&A...624A.106A ADS

Benomar, O., Goupil, M., Belkacem, K., et al., *"VizieR Online Data Catalog: Asymmetry of oscillations in 43 Kepler stars (Benomar+, 2018)"*, 2019yCat.18570119B ADS

Schofield, M., Chaplin, W. J., Huber, D., et al., *"The Asteroseismic Target List for Solar-like Oscillators Observed in 2 minute Cadence with the Transiting Exoplanet Survey Satellite"*, 2019ApJS..241...12S ADS

Gonçalves, I., Schmider, F. X., Gaulme, P., et al., *"First measurements of Jupiter's zonal winds with visible imaging spectroscopy"*, 2019Icar..319..795G ADS

Schmider, F.-X., Goncalves, I., Gaulme, P., et al., *"First measurements of the Jovian zonal winds profile through visible Doppler spectroscopy"*, 2018EPSC...12..433S ADS

Appourchaux, T., Boumier, P., Leibacher, J. W., & Corbard, T., *"Searching for g modes. I. A new calibration of the GOLF instrument"*, 2018A&A...617A.108A ADS

Marcadon, F., Appourchaux, T., & Marques, J. P., *"Asteroseismic and orbital analysis of the triple star system HD 188753 observed by Kepler"*, 2018A&A...617A...2M ADS

Appourchaux, T., Boumier, P., Leibacher, J. W., & Corbard, T., *"VizieR Online Data Catalog: Sun velocities from GOLF instrument (Appourchaux+, 2018)"*, 2018yCat..36170108A ADS

Gandorfer, A., Grauf, B., Staub, J., et al., *"The High Resolution Telescope (HRT) of the Polarimetric and Helioseismic Imager (PHI) onboard Solar Orbiter"*, 2018SPIE10698E..4NG ADS

Appourchaux, T., *"Exploring the poles of the Sun: POLAR Investigation of the Sun (POLARIS+)"*, 2018tess.conf11001A ADS

Benomar, O., Goupil, M., Belkacem, K., et al., *"Asymmetry of Line Profiles of Stellar Oscillations Measured by Kepler for Ensembles of Solar-like Oscillators: Impact on Mode Frequencies and Dependence on Effective Temperature"*, 2018ApJ...857..119B ADS

Pallé, P. L., Appourchaux, T., Christensen-Dalsgaard, J., & García, R. A., *"Helioseismology: Observations and Space Missions"*, 2018arXiv180200674P ADS

Davies, G. R., Chaplin, W. J., Farr, W. M., et al., *"VizieR Online Data Catalog: Asterosismology for solar analogues 16 Cyg A/B (Davies+, 2015)"*, 2017yCat..74462959D ADS

Appourchaux, T., Chaplin, W. J., García, R. A., et al., *"VizieR Online Data Catalog: 61 main-sequence and subgiant oscillations (Appourchaux+, 2012)"*, 2017yCat..35430054A ADS

Ruiz de Galarreta Fanju, C., Philippon, A., Bouzit, M., et al., *"Definition of a metrology servo-system for a solar imaging fourier transform spectrometer working in the far UV (IFTSUV)"*, 2017SPIE10564E..3ER ADS

Soulat, L., Schmider, F. X., Robbe-Dubois, S., et al., *"Conception and test of Echoes, a spectro-imager dedicated to the seismology of Jupiter"*, 2017SPIE10564E..1VS ADS

Appourchaux, T., Auchère, F., Antonucci, E., et al., *"SOLARIS: Solar Sail Investigation of the Sun"*, 2017arXiv170708193A ADS

Miglio, A., Chiappini, C., Mosser, B., et al., *"PLATO as it is : A legacy mission for Galactic archaeology"*, 2017AN....338..644M ADS

White, T. R., Benomar, O., Silva Aguirre, V., et al., *"Kepler observations of the asteroseismic binary HD 176465"*, 2017A&A...601A..82W ADS

Sekii, T., Appourchaux, T., Fleck, B., & Turck-Chièze, S., *"Future Mission Concepts for Helioseismology"*, in M. J. Thompson, A. S. Brun, J. L. Culhane, L. Gizon, M. Roth, and T. Sekii (Eds.), Helioseismology and Dynamics of the Solar Interior. Series: Space Sciences Series of ISSI, Vol. 48, 291–308 2017hdsi.book..291S ADS

Löptien, B., Birch, A. C., Gizon, L., et al., *"Helioseismology with Solar Orbiter"*, in M. J. Thompson, A. S. Brun, J. L. Culhane, L. Gizon, M. Roth, and T. Sekii (Eds.), Helioseismology and Dynamics of the Solar Interior. Series: Space Sciences Series of ISSI, Vol. 48, 257–289 2017hdsi.book..257L ADS

Gaulme, P., Rowe, J. F., Bedding, T. R., et al., *"A Distant Mirror: Solar Oscillations Observed on Neptune by the Kepler K2 Mission"*, 2016ApJ...833L..13G ADS

Appourchaux, T., Birch, A., Gizon, L. C., et al., *"Far side Helioseismology with Solar Orbiter"*, 2016AGUFMSH43A2554A ADS

Guzik, J. A., Houdek, G., Chaplin, W. J., et al., *"Detection of Solar-like Oscillations, Observational Constraints, and Stellar Models for θ Cyg, the Brightest Star Observed By the Kepler Mission"*, 2016ApJ...831...17G ADS

Appourchaux, T., Antia, H. M., Benomar, O., et al., *"Oscillation mode linewidths and heights of 23 main-sequence stars observed by Kepler (Corrigendum)"*, 2016A&A...595C...2A ADS

Campante, T. L., Schofield, M., Kuszlewicz, J. S., et al., *"The Asteroseismic Potential of TESS: Exoplanet-host Stars"*, 2016ApJ...830..138C ADS

Gonçalves, I., Schmider, F.-X., Bresson, Y., et al., *"Advances in the development of a Mach-Zehnder interferometric Doppler imager for seismology of giant planets"*, 2016SPIE.9908E..3MG ADS

Deheuvels, S., Brandão, I., Silva Aguirre, V., et al., *"Measuring the extent of convective cores in low-mass stars using Kepler data: toward a calibration of core overshooting"*, 2016A&A...589A..93D ADS

Sekii, T., Appourchaux, T., Fleck, B., & Turck-Chièze, S., *"Future Mission Concepts for Helioseismology"*, 2015SSRv..196..285S ADS

Löptien, B., Birch, A. C., Gizon, L., et al., *"Helioseismology with Solar Orbiter"*, 2015SSRv..196..251L ADS

Chaplin, W. J., Lund, M. N., Handberg, R., et al., *"Asteroseismology of Solar-Type Stars with K2: Detection of Oscillations in C1 Data"*, 2015PASP..127.1038C ADS

Solanki, S. K., del Toro Iniesta, J. C., Woch, J., et al., *"The Polarimetric and Helioseismic Imager for Solar Orbiter: SO/PHI"*, 2015IAUS..305..108S ADS

Appourchaux, T., Antia, H. M., Ball, W., et al., *"A seismic and gravitationally bound double star observed by Kepler. Implication for the presence of a convective core"*, 2015A&A...582A..25A ADS

Verma, K., Faria, J. P., Antia, H. M., et al., *"Asteroseismic estimate of helium abundance of 16 Cyg A, B"*, 2015EPJWC.10106066V ADS

Deheuvels, S., Silva Aguirre, V., Cunha, M. S., et al., *"An attempt to calibrate core overshooting using the seismic properties of low-mass stars"*, 2015EPJWC.10101013D ADS

1

Pallé, P. L., Appourchaux, T., Christensen-Dalsgaard, J., & Garcxía, I. A., *"Helioseismology: Observations and space missions"*,, in Extraterrestrial Seismology, 25–35 `2015exse.book...25P` ADS

Appourchaux, T. & Grundahl, F., *"Asteroseismology observations and space missions"*,, in Extraterrestrial Seismology, 11–24 `2015exse.book...11A` ADS

Davies, G. R., Chaplin, W. J., Farr, W. M., et al., *"Asteroseismic inference on rotation, gyrochronology and planetary system dynamics of 16 Cygni"*, `2015MNRAS.446.2959D` ADS

Rauer, H., Catala, C., Aerts, C., et al., *"The PLATO 2.0 mission"*, `2014ExA....38..249R` ADS

Gómez de Castro, A. I., Appourchaux, T., Barstow, M. A., et al., *"Building galaxies, stars, planets and the ingredients for life between the stars. The science behind the European Ultraviolet-Visible Observatory"*, `2014Ap&SS.354..229G` ADS

Dominguez-Tagle, C., Appourchaux, T., Fourmond, J.-J., et al., *"Filtergraph Calibration for the Polarimetric and Helioseismic Imager"*, `2014JSAST..12.Tk25D` ADS

Dominguez-Tagle, C., Appourchaux, T., Ruiz de Galarreta, C., et al., *"Optical characterization of the breadboard narrowband prefilters for Solar Orbiter PHI"*, `2014SPIE.9143E..5GD` ADS

Verma, K., Faria, J. P., Antia, H. M., et al., *"Asteroseismic Estimate of Helium Abundance of a Solar Analog Binary System"*, `2014ApJ...790..138V` ADS

Appourchaux, T., Antia, H. M., Benomar, O., et al., *"Oscillation mode linewidths and heights of 23 main-sequence stars observed by Kepler"*, `2014A&A...566A..20A` ADS

Pagano, I., Rauer, H., Aerts, C., et al., *"The PLATO 2.0 Mission"*, `2014EPSC....9..789P` ADS

Gaulme, P., Jackiewicz, J., Appourchaux, T., & Mosser, B., *"Surface Activity and Oscillation Amplitudes of Red Giants in Eclipsing Binaries"*, `2014ApJ...785....5G` ADS

Boumier, P., Benomar, O., Baudin, F., et al., *"Seismic analysis of HD 43587Aa, a solar-like oscillator in a multiple system"*, `2014A&A...564A..34B` ADS

Deheuvels, S., Dogan, G., Goupil, M. J., et al., *"Seismic constraints on the radial dependence of the internal rotation profiles of six Kepler subgiants and young red giants"*, `2014A&A...564A..27D` ADS

Miglio, A., Chaplin, W. J., Farmer, R., et al., *"Prospects for Detecting Asteroseismic Binaries in Kepler Data"*, `2014ApJ...784L...3M` ADS

Appourchaux, T., *"A crash course on data analysis in asteroseismology"*,, in P. L. Pallé and C. Esteban (Eds.), Asteroseismology, 123 `2014aste.book..123A` ADS

Chaplin, W. J., Basu, S., Huber, D., et al., *"VizieR Online Data Catalog: Asteroseismic study of solar-type stars (Chaplin+, 2014)"*, `2014yCat..22100001C` ADS

Ruiz de Galarreta, C., Vial, J.-C., Appourchaux, T., & Philippon, A., *"On the development of a Fourier Transform Spectrometer for Solar Physics"*, `2014cosp...40E2793R` ADS

Chaplin, W. J., Basu, S., Huber, D., et al., *"Asteroseismic Fundamental Properties of Solar-type Stars Observed by the NASA Kepler Mission"*, `2014ApJS..210....1C` ADS

Appourchaux, T. & Grundahl, F., *"Asteroseismology observations and space missions"*, `2013arXiv1312.6993A` ADS

Baudin, F., Elsworth, Y., Hekker, S., et al., *"Mode Line Widths in Red-Giant Stars"*, `2013ASPC..479..179B` ADS

Appourchaux, T. & Pallé, P. L., *"The History of the g-mode Quest"*, `2013ASPC..478..125A` ADS

Schmider, F. X., Appourchaux, T., Gaulme, P., et al., *"The JOVIAL Project for Jovian Seismology"*, `2013ASPC..478..119S` ADS

Chaplin, W. J., Kjeldsen, H., Christensen-Dalsgaard, J., et al., *"Kepler White Paper: Asteroseismology of Solar-Like Oscillators in a 2-Wheel Mission"*, `2013arXiv1309.0702C` ADS

Dominguez-Tagle, C., Appourchaux, T., Fourmond, J.-J., et al., *"Filtergraph Calibration for the Polarimetric and Helioseismic Imager"*, `2013ists.conf...46D` ADS

Gizon, L., Ballot, J., Michel, E., et al., *"Seismic constraints on rotation of Sun-like star and mass of exoplanet"*, `2013PNAS..11013267G` ADS

Corbard, T., Salabert, D., Boumier, P., et al., *"Helioseismology with PICARD"*, `2013JPhCS.440a2025C` ADS

Silva Aguirre, V., Basu, S., Brandão, I. M., et al., *"Stellar Ages and Convective Cores in Field Main-sequence Stars: First Asteroseismic Application to Two Kepler Targets"*, `2013ApJ...769..141S` ADS

Bruntt, H., Basu, S., Smalley, B., et al., *"VizieR Online Data Catalog: Abundances of 93 solar-type Kepler targets (Bruntt+, 2012)"*, `2013yCat..74230122B` ADS

Belkacem, K., Appourchaux, T., Baudin, F., et al., *"Mode lifetime and associated scaling relations"*, `2013EPJWC..4303009B` ADS

Ruiz de Galarreta Fanjul, C., Bouzit, M., Appourchaux, T., et al., *"Metrology for a solar imaging Fourier transform spectrometer working in the far UV: from the instrumental concept to the first experimental results"*, `2012SPIE.8450E..0DR` ADS

Halain, J. P., Rochus, P., Renotte, E., et al., *"The EUI instrument on board the Solar Orbiter mission: from breadboard and prototypes to instrument model validation"*, `2012SPIE.8443E..07H` ADS

Soulat, L., Schmider, F. X., Robbe-Dubois, S., et al., *"Echoes: a new instrumental concept of spectro-imaging for Jovian seismology"*, `2012SPIE.8442E..4MS` ADS

Deheuvels, S., García, R. A., Chaplin, W. J., et al., *"Seismic Evidence for a Rapidly Rotating Core in a Lower-giant-branch Star Observed with Kepler"*, `2012ApJ...756...19D` ADS

Mathur, S., Campante, T. L., Handberg, R., et al., *"Seismic Analysis of Four Solar-like Stars Observed during More Than Eight Months by Kepler"*, `2012ASPC..462..180M` ADS

Appourchaux, T., Chaplin, W. J., García, R. A., et al., *"Oscillation mode frequencies of 61 main-sequence and subgiant stars observed by Kepler"*, `2012A&A...543A..54A` ADS

Bruntt, H., Basu, S., Smalley, B., et al., *"Accurate fundamental parameters and detailed abundance patterns from spectroscopy of 93 solar-type Kepler targets"*, `2012MNRAS.423..122B` ADS

White, T. R., Bedding, T. R., Gruberbauer, M., et al., *"Solving the Mode Identification Problem in Asteroseismology of F Stars Observed with Kepler"*, `2012ApJ...751L..36W` ADS

Mathur, S., Metcalfe, T. S., Woitaszek, M., et al., *"A Uniform Asteroseismic Analysis of 22 Solar-type Stars Observed by Kepler"*, `2012ApJ...749..152M` ADS

Belkacem, K., Dupret, M. A., Baudin, F., et al., *"Damping rates of solar-like oscillations across the HR diagram. Theoretical calculations confronted to CoRoT and Kepler observations"*, `2012A&A...540L...7B` ADS

Benomar, O., Baudin, F., Chaplin, W. J., Elsworth, Y., & Appourchaux, T., *"Acoustic spectrum fitting for a large set of solar-like pulsators"*, `2012MNRAS.420.2178B` ADS

Metcalfe, T. S., Chaplin, W. J., Appourchaux, T., et al., *"Asteroseismology of the Solar Analogs 16 Cyg A and B from Kepler Observations"*, `2012ApJ...748L..10M` ADS

Howell, S. B., Rowe, J. F., Bryson, S. T., et al., *"Kepler-21b: A 1.6 R _Earth Planet Transiting the Bright Oscillating F Subgiant Star HD 179070"*, `2012ApJ...746..123H` ADS

Appourchaux, T., Benomar, O., Gruberbauer, M., et al., *"Oscillation mode linewidths of main-sequence and subgiant stars observed by Kepler"*, `2012A&A...537A.134A` ADS

Huber, D., Bedding, T. R., Stello, D., et al., *"Testing Scaling Relations for Solar-like Oscillations from the Main Sequence to Red Giants Using Kepler Data"*, `2011ApJ...743..143H` ADS

White, T. R., Bedding, T. R., Stello, D., et al., *"Asteroseismic Diagrams from a Survey of Solar-like Oscillations with Kepler"*, `2011ApJ...742L...3W` ADS

Silva Aguirre, V., Chaplin, W. J., Ballot, J., et al., *"Constructing a One-solar-mass Evolutionary Sequence Using Asteroseismic Data from Kepler"*, `2011ApJ...740L...2S` ADS

Campante, T. L., Handberg, R., Mathur, S., et al., *"Asteroseismology from multi-month Kepler photometry: the evolved Sun-like stars KIC 10273246 and KIC 10920273"*, `2011A&A...534A...6C` ADS

Verner, G. A., Chaplin, W. J., Basu, S., et al., *"Verification of the Kepler Input Catalog from Asteroseismology of Solar-type Stars"*, `2011ApJ...738L..28V` ADS

Verner, G. A., Elsworth, Y., Chaplin, W. J., et al., *"Global asteroseismic properties of solar-like oscillations observed by Kepler: a comparison of complementary analysis methods"*, `2011MNRAS.415.3539V` ADS

García, R. A., Hekker, S., Stello, D., et al., *"Preparation of Kepler light curves for asteroseismic analyses"*, `2011MNRAS.414L...6G` ADS

Mathur, S., Handberg, R., Campante, T. L., et al., *"Solar-like Oscillations in KIC 11395018 and KIC 11234888 from 8 Months of Kepler Data"*, `2011ApJ...733...95M` ADS

Ballot, J., Gizon, L., Samadi, R., et al., *"Accurate p-mode measurements of the G0V metal-rich CoRoT target HD 52265"*, `2011A&A...530A..97B` ADS

Chaplin, W. J., Bedding, T. R., Bonanno, A., et al., *"Evidence for the Impact of Stellar Activity on the Detectability of Solar-like Oscillations Observed by Kepler"*, `2011ApJ...732L...5C` ADS

Chaplin, W. J., Kjeldsen, H., Bedding, T. R., et al., *"Predicting the Detectability of Oscillations in Solar-type Stars Observed by Kepler"*, `2011ApJ...732...54C` ADS

Chaplin, W. J., Kjeldsen, H., Christensen-Dalsgaard, J., et al., *"Ensemble Asteroseismology of Solar-Type Stars with the NASA Kepler Mission"*, `2011Sci...332..213C` ADS

Gandorfer, A., Solanki, S. K., Woch, J., et al., "The Solar Orbiter Mission and its Polarimetric and Helioseismic Imager (SO/PHI)", 2011JPhCS.271a2086G ADS

Catala, C., Appourchaux, T., & Plato Mission Consortium, "PLATO : PLAnetary Transits and Oscillations of stars", 2011JPhCS.271a2084C ADS

Appourchaux, T., "FOREWORD Foreword", 2011JPhCS.271a1001A ADS

Karoff, C., Chaplin, W. J., Appourchaux, T., et al., "Asteroseismology of solar-type stars with Kepler I: Data analysis", 2010AN....331..972K ADS

Gaulme, P., Deheuvels, S., Weiss, W. W., et al., "HD 46375: seismic and spectropolarimetric analysis of a young Sun hosting a Saturn-like planet", 2010A&A...524A..47G ADS

Metcalfe, T. S., Monteiro, M. J. P. F. G., Thompson, M. J., et al., "A Precise Asteroseismic Age and Radius for the Evolved Sun-like Star KIC 11026764", 2010ApJ...723.1583M ADS

Belkacem, K., Samadi, R., Goupil, M. J., et al., "Turbulent eddy-time-correlation in the solar convective zone", 2010A&A...522L...2B ADS

Broomhall, A. M., Chaplin, W. J., Elsworth, Y., Appourchaux, T., & New, R., "A comparison of frequentist and Bayesian inference: searching for low-frequency p modes and g modes in Sun-as-a-star data", 2010MNRAS.406..767B ADS

Ruiz de Galarreta Fanjul, C., Philippon, A., Vial, J. C., et al., "Definition of an imaging spectrometer meeting the needs of UV solar physics", 2010SPIE.7732E..36R ADS

Halain, J.-P., Rochus, P., Appourchaux, T., et al., "The technical challenges of the Solar-Orbiter EUI instrument", 2010SPIE.7732E..0RH ADS

Gaulme, P., Vannier, M., Guillot, T., et al., "Possible detection of phase changes from the non-transiting planet HD 46375b by CoRoT", 2010A&A...518L.153G ADS

Mathur, S., García, R. A., Catala, C., et al., "The solar-like CoRoT target HD 170987: spectroscopic and seismic observations", 2010A&A...518A..53M ADS

Mosser, B. & Appourchaux, T., "An automated pipeline for asteroseismology based on the autocorrelation of stellar time series", 2010arXiv1006.5079M ADS

Deheuvels, S., Bruntt, H., Michel, E., et al., "Seismic and spectroscopic characterization of the solar-like pulsating CoRoT target HD 49385", 2010A&A...515A..87D ADS

Chaplin, W. J., Appourchaux, T., Elsworth, Y., et al., "The Asteroseismic Potential of Kepler: First Results for Solar-Type Stars", 2010ApJ...713L.169C ADS

Bedding, T. R., Kjeldsen, H., Campante, T. L., et al., "A Multi-Site Campaign to Measure Solar-Like Oscillations in Procyon. II. Mode Frequencies", 2010ApJ...713..935B ADS

Gilliland, R. L., Brown, T. M., Christensen-Dalsgaard, J., et al., "Kepler Asteroseismology Program: Introduction and First Results", 2010PASP..122..131G ADS

Appourchaux, T., Belkacem, K., Broomhall, A. M., et al., "The quest for the solar g modes", 2010A&ARv..18..197A ADS

Mosser, B., Buey, T., Appourchaux, T., et al., "SIAMOIS, asteroseismolgy at Dome C after CoRoT", 2010EAS....40..381M ADS

Samadi, R., Ludwig, H. G., Belkacem, K., et al., "The CoRoT target HD 49933 . II. Comparison of theoretical mode amplitudes with observations", 2010A&A...509A..16S ADS

Mosser, B. & Appourchaux, T., "On detecting the large separation in the autocorrelation of stellar oscillation times series", 2009A&A...508..877M ADS

Benomar, O., Baudin, F., Campante, T. L., et al., "A fresh look at the seismic spectrum of HD49933: analysis of 180 days of CoRoT photometry", 2009A&A...507L..13B ADS

Auvergne, M., Bodin, P., Boisnard, L., et al., "The CoRoT satellite in flight: description and performance", 2009A&A...506..411A ADS

Léger, A., Rouan, D., Schneider, J., et al., "Transiting exoplanets from the CoRoT space mission. VIII. CoRoT-7b: the first super-Earth with measured radius", 2009A&A...506..287L ADS

Ludwig, H. G., Samadi, R., Steffen, M., et al., "Hydrodynamical simulations of convection-related stellar micro-variability. II. The enigmatic granulation background of the CoRoT target HD 49933", 2009A&A...506..167L ADS

Barban, C., Deheuvels, S., Baudin, F., et al., "Solar-like oscillations in HD 181420: data analysis of 156 days of CoRoT data", 2009A&A...506..51B ADS

García, R. A., Régulo, C., Samadi, R., et al., "Solar-like oscillations with low amplitude in the CoRoT target HD 181906", 2009A&A...506..41G ADS

Mosser, B., Michel, E., Appourchaux, T., et al., "The CoRoT target HD 175726: an active star with weak solar-like oscillations", 2009A&A...506..33M ADS

Benomar, O., Appourchaux, T., & Baudin, F., "The solar-like oscillations of HD 49933: a Bayesian approach", 2009A&A...506..15B ADS

Gaulme, P., Appourchaux, T., & Boumier, P., "Mode width fitting with a simple Bayesian approach. Application to CoRoT targets HD 181420 and HD 49933", 2009A&A...506....7G ADS

Appourchaux, T., Samadi, R., & Dupret, M. A., "On posterior probability and significance level: application to the power spectrum of HD 49 933 observed by CoRoT", 2009A&A...506....1A ADS

Schmider, F. X., Gaulme, P., Appourchaux, T., et al., "A Doppler Spectro-Imager dedicated to Jovian seismology and aeronomy onboard on Laplace/EJSM Jupiter Ganymede Orbiter", 2009epsc.conf...82S ADS

Stello, D., Chaplin, W. J., Bruntt, H., et al., "Radius Determination of Solar-type Stars Using Asteroseismology: What to Expect from the Kepler Mission", 2009ApJ...700.1589S ADS

Mosser, B., Buey, T., Catala, C., et al., "SIAMOIS: asteroseismology in Antarctica", 2009CoAst.158..337M ADS

Belkacem, K., Samadi, R., Goupil, M.-J., et al., "Solar-Like Oscillations in a Massive Star", 2009Sci...324.1540B ADS

Salabert, D., Leibacher, J., Appourchaux, T., & Hill, F., "Measurement of Low Signal-To-Noise Ratio Solar p-Modes in Spatially Resolved Helioseismic Data", 2009ApJ...696..653S ADS

Appourchaux, T., Liewer, P., Watt, M., et al., "POLAR investigation of the Sun-POLARIS", 2009ExA....23.1079A ADS

Appourchaux, T., Burston, R., Chen, Y., et al., "Astrodynamical Space Test of Relativity Using Optical Devices I (ASTROD I)-A class-M fundamental physics mission proposal for Cosmic Vision 2015-2025", 2009ExA....23..491A ADS

Michel, E., Samadi, R., Baudin, F., et al., "Intrinsic photometric characterisation of stellar oscillations and granulation. Solar reference values and CoRoT response functions", 2009A&A...495..979M ADS

García, R. A., Appourchaux, T., Baglin, A., et al., "Solar-like stars as seen by CoRoT", 2008CoAst.157..288G ADS

Michel, E., Baglin, A., Weiss, W. W., et al., "First asteroseismic results from CoRoT", 2008CoAst.157...69M ADS

Michel, E., Baglin, A., Weiss, W. W., et al., "First asteroseismic results from CoRoT", 2008CoAst.156...73M ADS

Arentoft, T., Kjeldsen, H., Bedding, T. R., et al., "A Multisite Campaign to Measure Solar-like Oscillations in Procyon. I. Observations, Data Reduction, and Slow Variations", 2008ApJ...687.1180A ADS

Michel, E., Baglin, A., Auvergne, M., et al., "CoRoT Measures Solar-Like Oscillations and Granulation in Stars Hotter Than the Sun", 2008Sci...322..558M ADS

Jiménez-Reyes, S. J., Chaplin, W. J., García, R. A., et al., "solarFLAG hare and hounds: estimation of p-mode frequencies from Sun-as-star helioseismology data", 2008MNRAS.389.1780J ADS

Salabert, D., Leibacher, J. W., & Appourchaux, T., "Development of a new analysis technique to measure low radial-order p modes in spatially-resolved helioseismic data", 2008JPhCS.118a2086S ADS

Hekker, S., Arentoft, T., Kjeldsen, H., et al., "Oscillations in Procyon A: First results from a multi-site campaign", 2008JPhCS.118a2059H ADS

Chaplin, W. J., Appourchaux, T., Arentoft, T., et al., "AsteroFLAG - from the Sun to the stars", 2008JPhCS.118a2048C ADS

Burston, R., Gizon, L., Appourchaux, T., Ni, W. T., & ASTROD I ESA cosmic vision 2015-2025 Team, "Detecting solar g modes with ASTROD", 2008JPhCS.118a2043B ADS

Mosser, B., Appourchaux, T., Catala, C., Buey, J.-T., & SIAMOIS Team, "SIAMOIS: Seismic Interferometer to Measure Oscillations in the Interior of Stars", 2008JPhCS.118a2042M ADS

Appourchaux, T., Michel, E., Auvergne, M., et al., "CoRoT sounds the stars: p-mode parameters of Sun-like oscillations on HD 49933", 2008A&A...488..705A ADS

Ballot, J., Appourchaux, T., Toutain, T., & Guittet, M., "On deriving p-mode parameters for inclined solar-like stars", 2008A&A...486..867B ADS

Trosseille, C., Appourchaux, T., & Fourmond, J.-J., "Design of a Fabry-Perot interferometer for the SO/PHI instrument on Solar Orbiter", 2008SPIE.7010E..17T ADS

Chaplin, W. J., Houdek, G., Appourchaux, T., et al., "Challenges for asteroseismic analysis of Sun-like stars", 2008A&A...485..813C ADS

Ballot, J., Appourchaux, T., & Toutain, T., "Effect of the stellar inclination angle upon theoretical errors of l=1 p-mode parameters", 2008AN....329..558B ADS

Chaplin, W. J., Appourchaux, T., Arentoft, T., et al., "AsteroFLAG: First results from hare-and-hounds Exercise #1", 2008AN....329..549C ADS

Corbard, T., Boumier, P., Appourchaux, T., et al., "Helioseismology program for the PICARD satellite", 2008AN....329..508C ADS

Appourchaux, T., "Bayesian approach for g-mode detection, or how to restrict our imagination", 2008AN....329..485A ADS

Leibacher, J., Salabert, D., Appourchaux, T., & Hill, F., "Low-Frequency Solar p Modes in GONG and MDI Observations using m-Averaged Spectra", 2008AGUSMSP41A..06L ADS

3

Baudin, F., Appourchaux, T., Boumier, P., et al., *"Searching for p-modes in MOST Procyon data: another view"*, `2008A&A...478..461B` ADS

Mosser, B., Bouchy, F., Martić, M., et al., *"Asteroseismology of Procyon with SOPHIE"*, `2008A&A...478..197M` ADS

Mosser, B., Bouchy, F., Martic, M., et al., *"VizieR Online Data Catalog: Procyon (alpha CMi) radial velocities (Mosser+, 2008)"*, `2007yCat..34780197M` ADS

Baudin, F., Samadi, R., Appourchaux, T., & Michel, E., *"Simu-LC : a Light-Curve simulator for CoRoT"*, `2007arXiv0710.3378B` ADS

Broomhall, A. M., Chaplin, W. J., Elsworth, Y., & Appourchaux, T., *"Needles in haystacks: how to use contemporaneous data in the search for low-frequency modes of oscillation of the Sun"*, `2007MNRAS.379....2B` ADS

Appourchaux, T. & Chaplin, W. J., *"On understanding the meaning of l = 2 and 3 p-mode frequencies as measured by various helioseismic instruments"*, `2007A&A...469.1151A` ADS

Leibacher, J. W., Salabert, D., Appourchaux, T., Hill, F., & Howe, R., *"Rotation Of The Deep Solar Interior From A Solar Cycle Of Gong Data"*, `2007AAS...210.2219L` ADS

Appourchaux, T., Leibacher, J., & Boumier, P., *"On cross-spectrum capabilities for detecting stellar oscillation modes"*, `2007A&A...463.1211A` ADS

Trosseille, C., Appourchaux, T., & Martínez Pillet, V., *"Design Of A Fabry Perot Interferometer For The VIM Instrument Aboard Solar Orbiter"*, `2007ESASP.641E..85T` ADS

Hochedez, J. F., Appourchaux, T., Defise, J. M., et al., *"EUI, The Ultraviolet Imaging Telescopes Of Solar Orbiter"*, `2007ESASP.641E..33H` ADS

Appourchaux, T., Berthomieu, G., Michel, E., et al., *"Evaluation of the Scientific Performances for the Seismology Programme"*, `2006ESASP1306..429A` ADS

Baudin, F., Samadi, R., Appourchaux, T., & Michel, E., *"SIMU-LC: A Light-Curve Simulator for CoRoT"*, `2006ESASP1306..403B` ADS

Appourchaux, T., Berthomieu, G., Michel, E., et al., *"Data Analysis Tools for the Seismology Programme"*, `2006ESASP1306..377A` ADS

Fridlund, M., Beaufort, T., Favata, F., et al., *"The Research and Scientific Support Department of ESA and CoRoT"*, `2006ESASP1306..133F` ADS

Michel, E., Baglin, A., Auvergne, M., et al., *"The Seismology Programme of CoRoT"*, `2006ESASP1306...39M` ADS

Chaplin, W. J., Sekii, T., Appourchaux, T., et al., *"Rotation inversions of artificial solarFLAG Sun-as-a-star data"*, `2006ESASP.624E..82C` ADS

Elsworth, Y. P., Baudin, F., Chaplin, W., et al., *"The internal structure of the Sun inferred from g modes and low-frequency p modes"*, `2006ESASP.624E..22E` ADS

Appourchaux, T., Andersen, B., Baudin, F., et al., *"Recent Progresses on g-Mode Search"*, `2006ESASP.617E...2A` ADS

Chaplin, W. J., Appourchaux, T., Baudin, F., et al., *"Solar FLAG hare and hounds: on the extraction of rotational p-mode splittings from seismic, Sun-as-a-star data"*, `2006MNRAS.369..985C` ADS

Maksimovic, M., Appourchaux, T., Aulanier, G., et al., *"Can we finally solve the problems of "Coronal Heating " and "Solar Wind Acceleration" in the Cosmic Vision era ?"*, `2006cosp...36.2999M` ADS

Bouchy, F., Mosser, B., Catala, C., et al., *"Working group report on Asteroseismology and stellar activity from Dome C"*, `2005sf2a.conf..329B` ADS

Appourchaux, T., Auchère, F., Bocchialini, K., et al., *"The Beleinos cornerstone: the Sun, the star close to Earth"*, `2005ESASP.588..389A` ADS

Turck-Chièze, S., Appourchaux, T., Ballot, J., & et al., *"The magnetism of the solar interior for a complete MHD solar vision"*, `2005ESASP.588..193T` ADS

Catala, C., Aerts, C., Aigrain, S., et al., *"The life of stars and their planets"*, `2005ESASP.588...99C` ADS

Appourchaux, T., *"The luminosity oscillations imager, a space instrument: from design to science"*,, in V. Mártínez Pillet, A. Aparicio, and F. Sánchez (Eds.), Payload and Mission Definition in Space Sciences, 185 `2005pmds.book..185A` ADS

Auchere, F., Song, X., Rouesnel, F., et al., *"Innovative designs for the imaging suite on Solar Orbiter"*, `2005SPIE.5901..298A` ADS

Baudin, F., Samadi, R., Goupil, M. J., et al., *"Inferred acoustic rates of solar p modes from several helioseismic instruments"*, `2005A&A...433..349B` ADS

Civeit, T., Appourchaux, T., Lebreton, J. P., et al., *"On measuring planetary winds using high-resolution spectroscopy in visible wavelengths"*, `2005A&A...431.1157C` ADS

Moreira, O., Appourchaux, T., Berthomieu, G., & Toutain, T., *"On the detection of pure sine waves embedded in a spectrum of stochastically excited p modes"*, `2005MNRAS.357..191M` ADS

Courtin, R., Luz, D., Gautier, D., et al., *"Characterization of the Zonal Wind Flow in the Upper Atmosphere of Titan with the VLT"*, `2005HiA....13..897C` ADS

Appourchaux, T., *"On detecting short-lived p modes in a stellar oscillation spectrum"*, `2004A&A...428.1039A` ADS

Martic, M., Lebrun, J. C., Appourchaux, T., & Schmitt, J., *"a Radial Velocity Search for P-Modes in VIR"*, `2004ESASP.559..563M` ADS

Chaplin, W. J., Appourchaux, T., Baudin, F., et al., *"Flag Hare-And Exercise: on the Extraction of Sectoral Mode Splittings from Full-Disc Sun-As Data"*, `2004ESASP.559..356C` ADS

Chaplin, W. J., Appourchaux, T., Elsworth, Y., et al., *"On comparing estimates of low-l solar p-mode frequencies from Sun-as-a-star and resolved observations"*, `2004A&A...424..713C` ADS

Martić, M., Lebrun, J. C., Appourchaux, T., & Korzennik, S. G., *"p-mode frequencies in solar-like stars. I. Procyon A"*, `2004A&A...418..295M` ADS

Chaplin, W. J., Appourchaux, T., Elsworth, Y., et al., *"Solar p-mode frequencies at ℓ=2: What do analyses of unresolved observations actually measure?"*, `2004A&A...416..341C` ADS

Schuehle, U. H., Hochedez, J.-F. E., Pau, J. L., et al., *"Development of imaging arrays for solar UV observations based on wide band gap materials"*, `2004SPIE.5171..231S` ADS

Neiner, C. & Appourchaux, T., *"Global fitting of power spectra of solar-like stars"*, `2004ESASP.538..373N` ADS

Appourchaux, T., Moreira, O., Berthomieu, G., & Toutain, T., *"Mode extraction from time series: from the challenges of COROT to those of Eddington"*, `2004ESASP.538..109A` ADS

Appourchaux, T., *"On Maximum Likelihood Estimation of averaged power spectra"*, `2003A&A...412..903A` ADS

Luz, D., Courtin, R., Gautier, D., et al., *"Characterization of the zonal wind in Titan's stratosphere with UVES"*, `2003EAEJA.....2941L` ADS

Hochedez, J.-F. E., Schuehle, U. H., Pau, J. L., et al., *"New UV detectors for solar observations"*, `2003SPIE.4853..419H` ADS

Appourchaux, T., *"The search for g modes"*, `2003ESASP.517..131A` ADS

Berthomieu, G., Appourchaux, T., & COROT Seismology Working Group, *"Hare &Hound Exercise with Simulated COROT Data"*, `2003aahd.conf..465B` ADS

Sanderson, T. R., Appourchaux, T., Hoeksema, J. T., & Harvey, K. L., *"Observations of the Sun's magnetic field during the recent solar maximum"*, `2003JGRA..108.1035S` ADS

Courtin, R., Luz, D., Gautier, D., et al., *"Characterization of Titan's Zonal Wind Flow with the VLT"*, `2003IAUSS...1E..33C` ADS

Appourchaux, T., *"Peak Bagging for Solar-like Stars"*, `2003Ap&SS.284..109A` ADS

Chaplin, W. J., Elsworth, Y., Isaak, G. R., et al., *"Peak finding at low signal-to-noise ratio: low-ℓ solar acoustic eigenmodes at n≤9 from the analysis of BiSON data"*, `2002MNRAS.336..979C` ADS

Luz, D., Courtin, R., Gautier, D., et al., *"Characterization of the Zonal Wind Flow in the Stratosphere of Titan with UVES"*, `2002DPS....34.3405L` ADS

Gabriel, A. H., Baudin, F., Boumier, P., et al., *"A search for solar g modes in the GOLF data"*, `2002A&A...390.1119G` ADS

Appourchaux, T., Andersen, B., & Sekii, T., *"What have we learnt with the Luminosity Oscillations Imager over the past 6 years?"*, `2002ESASP.508...47A` ADS

Sanderson, T. R., Appourchaux, T., Hoeksema, J. T., & Harvey, K. L., *"Observations of The Sun's Coronal Magnetic Field and Coronal Holes During The Ulysses Fast Latitude Scan"*, `2002EGSGA..27..595S` ADS

Chaplin, W. J., Appourchaux, T., Elsworth, Y., Isaak, G. R., & New, R., *"Variation of acoustic mode centroid frequencies over the solar cycle"*, `2002AdSpR..29.1881C` ADS

Sanderson, T. R., Appourchaux, T., Hoeksema, J. T., & Harvey, K. L., *"Observations of the Sun's Coronal Magnetic Field and Coronal Holes during the Recent Ulysses Second Polar Pass, and Implications for Particle Observations"*, `2001AGUFMSH32A0723S` ADS

Houdek, G., Chaplin, W. J., Appourchaux, T., et al., *"Changes in convective properties over the solar cycle: effect on p-mode damping rates"*, `2001MNRAS.327..483H` ADS

Fierry Fraillon, D. & Appourchaux, T., *"Effects of a gap-filling method on p-mode parameters"*, `2001MNRAS.324.1159F` ADS

Chaplin, W. J., Appourchaux, T., Elsworth, Y., Isaak, G. R., & New, R., *"The phenomenology of solar-cycle-induced acoustic eigenfrequency variations: a comparative and complementary analysis of GONG, BiSON and VIRGO/LOI data"*, `2001MNRAS.324..910C` ADS

Martić, M., Lebrun, J. C., Schmitt, J., Bertaux, J. L., & Appourchaux, T., *"Observing solar-like oscillations with ELODIE spectrograph"*, `2001sf2a.conf..219M` ADS

Fröhlich, C., Appourchaux, T., & Gough, D. O., *"Dependence on azimuthal order of the amplitudes of low-degree p modes"*, `2001ESASP.464..629F` ADS

Chaplin, W. J. & Appourchaux, T., *"Does the excitation and damping of the acoustic eigenmodes vary over the solar cycle? An insight from LOI observations"*, `2001ESASP.464..601C` ADS

Appourchaux, T., Andersen, B., Berthomieu, G., et al., *"g-mode detection: Where do we stand?"*, `2001ESASP.464..467A` ADS

4

Martić, M., Lebrun, J. C., Schmitt, J., Appourchaux, T., & Bertaux, J. L.*, "Observing solar-like oscillations: α CMi, η Cas A and ζ Her A"*, 2001ESASP.464..431M ADS

Fierry Fraillon, D. & Appourchaux, T.*, "Effects of a gap filling method on p-mode parameters"*, 2001ESASP.464..347F ADS

Damé, L., Appourchaux, T., Berthomieu, G., et al.*, "PICARD: solar diameter measure and g-mode search"*, 2001ESASP.464..321D ADS

Chaplin, W. J., Elsworth, Y., Isaak, G. R., New, R., & Appourchaux, T.*, "Probing the solar cycle: a comparative and complementary analysis of GONG BiSON and VIRGO/LOI eigenfrequency shifts"*, 2001ESASP.464...83C ADS

Appourchaux, T.*, "Results from the luminosity oscillations imager on board SOHO: low-degree p-mode parameters for a 4-year data set"*, 2001ESASP.464...71A ADS

Appourchaux, T., Chang, H. Y., Gough, D. O., & Sekii, T.*, "On measuring low-degree p-mode frequency splitting with full-disc integrated data"*, 2000MNRAS.319..365A ADS

Appourchaux, T., Fröhlich, C., Andersen, B., et al.*, "Observational Upper Limits to Low-Degree Solar g-Modes"*, 2000ApJ...538..401A ADS

Chaplin, W. J., Appourchaux, T., Elsworth, Y., et al.*, "Source of excitation of low-l solar p modes: characteristics and solar-cycle variations"*, 2000MNRAS.314...75C ADS

Oliviero, M., Severino, G., Straus, T., Jefferies, S. M., & Appourchaux, T.*, "I-V phase difference and gain analysis of GONG full-disk data"*, 2000MmSAI..71..990O ADS

Michel, E., Baglin, A., Barge, P., et al.*, "COROT – A Unique Database for Low Amplitude Variability Between 1 Minute and 150 Days"*, 2000ASPC..203...69M ADS

Chaplin, W. J. & Appourchaux, T.*, "Depth of excitation and reversal of asymmetry of low-l solar P modes: a complementary analysis of BiSON* and VIRGO/SPMtextdagger data"*, 1999MNRAS.309..761C ADS

Martić, M., Schmitt, J., Lebrun, J. C., et al.*, "Evidence for global pressure oscillations on Procyon"*, 1999A&A...351..993M ADS

Oliviero, M., Severino, G., Straus, T., Jefferies, S. M., & Appourchaux, T.*, "Space and Time Analysis of the Solar Photospheric Dynamics at Moderate-l Values"*, 1999ApJ...516L..450 ADS

Rabello-Soares, M. C. & Appourchaux, T.*, "Solar low-degree p-mode parameters from the GONG network"*, 1999A&A...345.1027R ADS

Damé, L., Hersé, M., Thuillier, G., et al.*, "PICARD: simultaneous measurements of the solar diameter, differential rotation, solar constant and their variations"*, 1999AdSpR..24..205D ADS

Toutain, T., Appourchaux, T., Fröhlich, C., et al.*, "Asymmetry and Frequencies of Low-Degree p-Modes and the Structure of the Sun's Core"*, 1998ApJ...506L.147T ADS

Appourchaux, T., Rabello-Soares, M. C., & Gizon, L.*, "The art of fitting p-mode spectra. II. Leakage and noise covariance matrices"*, 1998A&AS..132..121A ADS

Appourchaux, T., Gizon, L., & Rabello-Soares, M. C.*, "The art of fitting p-mode spectra. I. Maximum likelihood estimation"*, 1998A&AS..132..107A ADS

Appourchaux, T., Rabello Soares, M. C., & Gizon, L.*, "LOI low-degree rotational splittings"*, 1998IAUS..185..167A ADS

Leifsen, T., Andersen, B. N., Appourchaux, T., et al.*, "Amplitude modulation of radial p-modes from Virgo"*, 1998IAUS..185..113L ADS

Domingo, V., Sánchez, L., Appourchaux, T., & Andersen, B.*, "Observations of the latitudinal variation of the solar radiance of non-active regions of the sun."*, 1998IAUS..185..111D ADS

Appourchaux, T., Chaplin, W. J., Elsworth, Y., et al.*, "A comparison of low-degree solar p-mode frquencies from BISON and LOI"*, 1998IAUS..185...45A ADS

Appourchaux, T. & Gizon, L.*, "The art of fitting p-mode spectra"*, 1998IAUS..185...43A ADS

Gizon, L., Appourchaux, T., & Gough, D. O.*, "LOI/SOHO constraints on oblique rotation of the solar core"*, 1998IAUS..185...37G ADS

Toutain, T., Appourchaux, T., Fröhlich, C., et al.*, "Line Asymmetry of VIRGO and MDI Low-Degree p Modes"*, 1998ESASP.418..973T ADS

Leifsen, T., Andersen, B., & Appourchaux, T.*, "Sources of Amplitude Modulation of Solar P-Modes"*, 1998ESASP.418..939L ADS

Andersen, B., Aarset, M., Leifsen, T., et al.*, "Statistical Properties of the Amplitude Modulation of Solar p-Modes"*, 1998ESASP.418..897A ADS

Andersen, B., Leifsen, T., Appourchaux, T., et al.*, "The Effect of Amplitude Modulation on Asymmetries of Solar p-Modes"*, 1998ESASP.418..893A ADS

Rabello-Soares, M. C., Appourchaux, T., & Christensen-Dalsgaard, J.*, "Rotation of the Solar Core Inferred from GONG Data"*, 1998ESASP.418..837R ADS

Rabello-Soares, M. C. & Appourchaux, T.*, "Measurement of GONG Low-Degree p-Mode Parameters"*, 1998ESASP.418..299R ADS

Appourchaux, T. & Virgo Team*, "Results from the Luminosity Oscillations Imager on board SOHO: Low-degree p-mode Parameters for a 2-year Data Set"*, 1998ESASP.418...99A ADS

Appourchaux, T., Andersen, B., Chaplin, W., et al.*, "Comparative Studies of Low-Order and Low-Degree Solar p Modes"*, 1998ESASP.418...95A ADS

Andersen, B., Leifsen, T., Appourchaux, T., et al.*, "Time Dependence of Solar Noise Observed with VIRGO"*, 1998ESASP.418...83A ADS

Fröhlich, C., Finsterle, W., Andersen, B., et al.*, "Observational Upper Limits for Low-Degree Solar g-modes"*, 1998ESASP.418...67F ADS

Appourchaux, T.*, "The Structure of the Solar Core: an Observer's Point of View"*, 1998ESASP.418...37A ADS

Domingo, V., Sánchez, L., Appourchaux, T., et al.*, "On the Effect of Active Regions on the Solar Irradiance"*, 1997ESASP.415..469D ADS

Toutain, T., Appourchaux, T., Baudin, F., et al.*, "Tri-Phonic Helioseismology: Comparison of Solar P Modes Observed by the Helioseismology Instruments Aboard SOHO"*, 1997SoPh..175..311T ADS

Yorck, M., Appourchaux, T., & Eiden, M.*, "Successful Recovery from LOI Cover In-Orbit Anomaly on SOHO"*, 1997ESASP.410..215Y ADS

Gizon, L. & Appourchaux, T.*, "On the direction of the rotation axis of the Sun"*, 1997BAAS...29R1121G ADS

Rhodes, E. J., J., Appourchaux, T., Bachmann, K., et al.*, "The Effects of Systematic Errors in the Estimation of p-Mode Frequencies on the Inversion of Solar Internal Structure"*, 1997SPD....28.0901R ADS

Domingo, V., Sánchez, L., Appourchaux, T., et al.*, "Study of the Effect of Active Regions on the Solar Irradiance During Solar Minimum"*, 1997SPD....28.0206D ADS

Rabello Soares, M. C., Roca Cortés, T., Jiménez, A., Appourchaux, T., & Eff-Darwich, A.*, "Contribution of Low-l p Modes to the Solar Equatorial Rotation Profile"*, 1997ApJ...480..840R ADS

Rabello Soares, M. C., Roca Cortes, T., Jimenez, A., Andersen, B. N., & Appourchaux, T.*, "An estimate of the solar background irradiance power spectrum."*, 1997A&A...318..970R ADS

Appourchaux, T., Andersen, B. N., Fröhlich, C., et al.*, "In-Flight Performance of the Virgo Luminosity Oscillations Imager Aboard SOHO"*, 1997SoPh..170...27A ADS

Fröhlich, C., Andersen, B. N., Appourchaux, T., et al.*, "First Results from VIRGO, the Experiment for Helioseismology and Solar Irradiance Monitoring on SOHO"*, 1997SoPh..170....1F ADS

Fröhlich, C., Andersen, B. N., Appourchaux, T., et al.*, "First results from VIRGO on SoHO"*, 1997IAUS..181...67F ADS

Fröhlich, C., Romero, J., Roth, H., et al.*, "VIRGO: Experiment for Helioseismology and Solar Irradiance Monitoring"*, 1995SoPh..162..101F ADS

Rabello Soares, M. C., Roca Cortés, T., Jiménez, A., & Appourchaux, T.*, "An Attempt to Estimate the Intensity Background Spectra"*, 1995ESASP.376b.397R ADS

Gelly, B., Fossat, E., Pallé, P., et al.*, "Solar P-Mode Frequencies from the IRIS Network"*, 1995ESASP.376b.373G ADS

Rabello-Soares, M. C., Appourchaux, T., Jiménez, A., & Roca Cortés, T.*, "Preliminary Analysis of the Radius Signal on Loi-T"*, 1995ESASP.376b.365R ADS

Appourchaux, T., Telljohann, U., Martin, D., Fleur, J., & Lévêque, S.*, "The Luminosity Oscillations Imager on Board Virgo: Design and Performances"*, 1995ESASP.376b.359A ADS

Appourchaux, T., Toutain, T., Jiménez, A., et al.*, "Results from the Luminosity Oscillations Imager"*, 1995ESASP.376b.265A ADS

Appourchaux, T., Toutain, T., Telljohann, U., et al.*, "Frequencies and splittings of low-degree solar P modes: results of the Luminosity Oscillations Imager."*, 1995A&A...294L..13A ADS

Appourchaux, T.*, "Frequencies and splittings of low-degree solar p modes: Results of the Luminosity Oscillations Imager"*, 1995HiA....10..336A ADS

Fridlund, M., Gough, D. O., Jones, A., et al.*, "STARS: A Proposal for a Dedicated Space Mission to Study Stellar Structure and Evolution"*, 1995ASPC...76..416F ADS

Appourchaux, T., Domingo, V., Fröhlich, C., et al.*, "VIRGO - the Solar Monitor Experiment on SOHO"*, 1995ASPC...76..408A ADS

Appourchaux, T., Toutain, T., Gough, D. O., & Kosovichev, A.*, "Testing the Statistical Significance of the Asymmetries of p-Mode Line Profiles: Application to the IPHIR Data"*, 1995ASPC...76..314A ADS

Toutain, T. & Appourchaux, T.*, "Maximum likelihood estimators: an application to the estimation of the precision of helioseismic measurements."*, 1994A&A...289..649T ADS

Fridlund, M., Appourchaux, T., Pace, O., & Volunte, S.*, "STARS - an investigation of stellar structure and evolution."*, 1994ESAJ...18..247F ADS

Appourchaux, T.: 1993, *PRISMA - Probing Rotation and Interior of Stars: Microvariability and Activity. Report on the phase A study.* 1993pris.book.....A ADS

Appourchaux, T., Catala, C., & Cornelisse, J.: 1993a, *PRISMA. Probing Rotation and Interior of Stars: Microvariability and activity* 1993ppri.book.....A ADS

Appourchaux, T., Catala, C., Catalano, S., et al.*, "Stellar seismology and activity: the need to go to space (PRISMA) (invited paper)"*, 1993MmSAI..64..415A ADS

Appourchaux, T., Fridlund, M., Cornelisse, J., & Volonté, S.*, "PRISMA - the first space mission to see inside the stars."*, 1993ESAJ...17..239A ADS

Appourchaux, T., Catala, C., Catalano, S., et al.*, "PRISMA: Probing Stars from Core to Corona"*, 1993ASSL..183..505A ADS

Appourchaux, T., Gough, D. O., Catala, C., et al.*, "Prisma - the First Space Mission to See Inside the Stars"*, 1993ASPC...42..411A ADS

Appourchaux, T., Gough, D., Hyoyng, P., et al.*, "PRISMA: a new space mission for stellar physics."*, 1993ASPC...40..812A ADS

, "ESA's report to the 29th COSPAR Meeting", 1992wadc.meet.....A ADS

Appourchaux, T. & Cislaghi, M.*, "Passive thermal control of a multilayer filter for space-based solar observations."*, 1992OptEn..31.1715A ADS

Lemaire, P., Appourchaux, T., Jones, A., et al.*, "PRISMA: A Space Facility for Studying the Rotation; Interior of Stars"*, 1992ASPC...26..643L ADS

Appourchaux, T., Catala, C., & Catalano, S.: 1991, *PRISMA: Probing Rotation and Interior of Stars. Microvariability and activity* 1991ppri.book.....A ADS

Lemaire, P., Appourchaux, T., Catala, C., et al.*, "Prisma-probing rotation and interior of stars: Microvariability and activity"*, 1991AdSpR..11d.141L ADS

Lemaire, P., Appourchaux, T., Catala, C., et al.*, "Prisma - a Space Facility for Studying Rotation and Activity"*, 1991ASIC..340..397L ADS

Appourchaux, T. & Andersen, B. N.*, "Observations of Low-Degree Solar Oscillations with Few Detector Elements"*, 1990SoPh..128...91A ADS

Appourchaux, T. & Burke, W. R.: 1990, *ESA's report to the 28th COSPAR meeting, The Hague (Netherlands), Jun 1990.* 1990ert..book.....A ADS

Appourchaux, T.*, "Optimization of parameters for helioseismology experiments measuring solar radial velocities"*, 1989A&A...222..361A ADS

Appourchaux, T.*, "Solar oscillations instrumentation and measurement theory."*, 1988ESASP.286..595A ADS

Rust, D. M. & Appourchaux, T.*, "The stable solar analyzer."*, 1988ESASP.286..227R ADS

Rust, D. M., Appourchaux, T., & Hill, F.*, "Performance of a Stabilized Fabry-Perot Solar Analyzer"*, 1988IAUS..123..475R ADS

Hill, F., Rust, D. M., & Appourchaux, T.*, "Rotation in the Solar Convection Zone Inferred from Fabry-Perot Observations of the 5-MIN Oscillations"*, 1988IAUS..123...49H ADS

Appourchaux, T.*, "The Faraday effect in a magneto-optical filter."*, 1987SoPh..109..393A ADS

Rust, D. M., Hill, F., & Appourchaux, T.*, "Observations of Solar Oscillations with a Fabry-Perot Etalon"*, 1987BAAS...19R.933R ADS

Appourchaux, T.*, "Correction of Atmospheric Transparency Gradient Effect on Solar Radial Velocities"*, 1984srps.conf..117A ADS

Appourchaux, T.: 1984b, "*Développement d'un Fabry-Perot destiné à l'observation des oscillations solaires pour une mission spatialeDéveloppement d'un Fabry-Perot destiné à l'observation des oscillations solaires pour une mission spatialeDevelopment of a Fabry-Perot interferometer for the observation of solar oscillations from a space mission;*",, *Ph.D. thesis*, Universite Pierre et Marie Curie (Paris VI), France 1984PhDT........97A ADS