



LARGE SYNOPTIC SURVEY TELESCOPE

Large Synoptic Survey Telescope (LSST) Bibliography Verification

Automated Content

LSST-test

Latest Revision: 2017-04-26

Abstract

Standard LSST document class example but using all bibtex entries. This allows the bib files to be tested as well as the associated bibtex style.



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Bibliography Verification

1 Introduction

In the following pages, all bibliographic entries from this repository will be listed. These are used to test that the entries in the relevant .bib files are formatted correctly. Bibtex will issue Warnings but the build will only be stopped if Errors are located.

Test the standard references to baseline documents: (SRD), DPDD, LSR, OSS, DMSR, LDM-133, LDM-134, SUID, DMSD, MOPSD, DMMD, DM OpsCon, (LSE-63), LSE-180, UCAL.

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\citedsp: [LPM-17]
\citedsp[]: [Verify] [Requirements]
\citeds: (SRD; LPM-17, LSE-29)
\citeds[]: LDM-503
\citep[]{}: [e.g., 188, 77, are interesting]
\cite: [188, 77]
```

References

- [1] , Datatag, research & technological development for a data transatlantic grid, <http://datatag.web.cern.ch/datatag/project.html>, URL <http://datatag.web.cern.ch/datatag/project.html>
- [2] , Gaia Acronyms List, <http://www.rssd.esa.int/Ageneral/Projects/GAIA/paramdb/glossary.txt>
- [3] , Gaia Parameter Database at <http://www.rssd.esa.int/\discretionary{-}{-}{-}Gaia/\discretionary{-}{-}{-}paramdb>
- [4] , Linpack standard numerical benchmark, <http://www.top500.org/lists/linpack.php>

- [5] ,
TOP500 Supercomputer Sites, <http://www.top500.org>
- [6] 1987, *Telemetry Summary of Concept and Rationale, Green Book*, Tech. rep., Consultative Committee for Space Data Systems,
CCSDS 100.0-G-1, <http://www.ccsds.org/documents/100x0g1.pdf>
- [7] **[LDM-]** 20, LDM-, URL <https://ls.st/LDM->
- [8] 2000, *Packet Telemetry, Blue Book*, Tech. rep., Consultative Committee for Space Data Systems,
CCSDS 102.0-B-5, <http://www.ccsds.org/documents/102x0b5.pdf>
- [9] 2002, *Time Code Formats, Blue Book*, Tech. rep., Consultative Committee for Space Data Systems,
CCSDS 301.0-B-3, <http://www.ccsds.org/documents/301x0b3.pdf>
- [10] 2002, *Telemetry Channel Coding, Blue Book*, Tech. rep., Consultative Committee for Space Data Systems,
CCSDS 101.0-B-6, <http://www.ccsds.org/documents/101x0b6.pdf>
- [11] 2003, *Telemetric and Command Data Specification*, Tech. rep., Object Management Group — Space Domain Task Force,
space/2003-03-04, <http://www.omg.org/docs/space/03-03-12.pdf>
- [12] 2005, Universal data transfer for the grid, <http://www-fp.globus.org/datagrid/deliverables/c2wpdraft3.pdf>, URL <http://www-fp.globus.org/datagrid/deliverables/C2WPdraft3.pdf>
- [13] 2009, *Astronomical Data Analysis Software and Systems XVIII*, Astronomical Society of the Pacific Conference Series, Astronomical Society of the Pacific
- [14] 2011, *Greenplum Database 4.1 Administrator Guide*, Tech. rep., EMC Corporation,
<http://www.greenplum.com/community/downloads/documentation/>
- [15] 2011, *Greenplum Database 4.1 Installation Guide*, Tech. rep., EMC Corporation,
<http://www.greenplum.com/community/downloads/documentation/>
- [16] 2016, *Agile software development in an earned value world: a survival guide*, vol. 9911,
URL <http://dx.doi.org/10.1117/12.2233380>
- [17] 2016, *GAVIP: a platform for Gaia data analysis*, vol. 9913, URL <http://dx.doi.org/10.1117/12.2233619>

- [18] Abazajian, K., Adelman-McCarthy, J.K., Ageros, M.A., et al., 2009, *The Astrophysical Journal Supplement Series*, 182, doi:10.1088/0067-0049/182/2/543, ADS Link
- [19] Abrahamse, A., Knox, L., Schmidt, S., et al., 2011, *ApJ*, 734, 36 (arXiv:1011.2239), doi:10.1088/0004-637X/734/1/36, ADS Link
- [20] Allende Prieto, C., 2007, *AJ*, 134, 1843 (arXiv:0707.2764), doi:10.1086/522051, ADS Link
- [21] **[LSE-16]**, Allsman, R., Dubois-Felsmann, G., Kantor, J., 2009, *LSST Software Development Plan*, LSE-16, URL <https://ls.st/LSE-16>
- [22] Amaro-Seoane, P., Aoudia, S., Babak, S., et al., 2013, *GW Notes*, Vol. 6, p. 4-110, 6, 4 (arXiv:1201.3621), ADS Link
- [23] Angeli, F.D., 2005, *The Gaia Software Toolbox - User guide*, Tech. rep., IoA, http://www.rssd.esa.int/SA-general/Projects/GAIA/wiki/index.php?title=CU1:_GaiaTools
- [24] **[Document-11920]**, Angeli, G., McKercher, R., 2013, *Document Cover Page and Style Guide*, Document-11920, URL <https://ls.st/Document-11920>
- [25] **[Document-9224]**, Angeli, G., McKercher, R., 2013, *Change Controlled Document Cover Page and Style Guide*, Document-9224, URL <https://ls.st/Document-9224>
- [26] **[LPM-19]**, Angeli, G., McKercher, R., 2015, *Change Control Process*, LPM-19, URL <https://ls.st/LPM-19>
- [27] Ansari, S., Torra, J., López, P.P., et al., *Algorithm Interface Control Document*, Tech. rep., Configuration Control Board, CCB-GDAAS-ICD-001
- [28] Ansari, S.G., Torra, J., Luri, X., et al., 2003, In: *Science and Technology*, ASP Conference Series, vol. 298, page 97
- [29] Ansari, S.G., Lammers, U., ter Linden, M., 2005, In: *Proc. Astronomical Data Analysis Software and Systems XIV*, vol. 347, 429–, Astronomical Society of the Pacific
- [30] Arenou, F., Chéreau, F., private communication
- [31] Arenou, F., Lindegren, L., Froeschle, M., et al., 1995, *A&A*, 304, 52, ADS Link

- [32] Baccaro, S., Cecilia, A., Di Sarcina, I., Piegari, A.M., 2004, In: E. Atad-Ettinger & P. Dierickx (ed.) Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, vol. 5494 of Presented at the Society of Photo-Optical Instrumentation Engineers (SPIE) Conference, 529–535, doi:10.1117/12.553602, ADS Link
- [33] Baccaro, S., Piegari, A., Di Sarcina, I., Cecilia, A., 2005, IEEE transactions on nuclear science, 52, 1779
- [34] Bailer-Jones, C.A.L., 2002, Astrophysics and Space Science, 280, 21 (arXiv:astro-ph/0201014), ADS Link
- [35] Bailer-Jones, C.A.L., 2003, In: Munari, U. (ed.) GAIA Spectroscopy: Science and Technology, vol. 298 of Astronomical Society of the Pacific Conference Series, 199–+, ADS Link
- [36] Bailer-Jones, C.A.L., 2004, A&A, 419, 385 (arXiv:astro-ph/0402591), doi:10.1051/0004-6361:20035779, ADS Link
- [37] Bailer-Jones, C.A.L., 2005, In: Turon, C., O’Flaherty, K.S., Perryman, M.A.C. (eds.) ESA SP-576: The Three-Dimensional Universe with Gaia, 393–+, ADS Link
- [38] Bailer-Jones, C.A.L., Andrae, R., Arcay, B., et al., 2013, A&A, 559, A74 (arXiv:1309.2157), doi:10.1051/0004-6361/201322344, ADS Link
- [39] Bastian, U., Biermann, M., 2005, A&A, 438, 745, doi:10.1051/0004-6361:20042372, ADS Link
- [40] Bastian, U., Gilmore, G., Halbwachs, J., et al., 1993, *ROEMER*, Tech. rep., Lund Observatory, Proposal for a Third Medium Size ESA Mission (M3), Lund 1993
- [41] Beck, K., 1999, *Extreme Programming Explained: Embrace Change*, Addison-Wesley, 1st edn.
- [42] **[LDM-139]**, Becla, J., 2013, *Data Management Storage Sizing and I/O Model Explanation*, LDM-139, URL <https://ls.st/LDM-139>
- [43] **[LDM-135]**, Becla, J., Wang, D., Monkewitz, S., et al., 2013, *Database Design*, LDM-135, URL <https://ls.st/LDM-135>
- [44] Beletic, J.W., Blank, R., Gulbransen, D., et al., 2008, In: Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, vol. 7021 of Society of Photo-Optical

- Instrumentation Engineers (SPIE) Conference Series, 70210H, doi:10.1117/12.790382, ADS Link
- [45] Bini, D., Crosta, M.T., de Felice, F., 2003, *Classical and Quantum Gravity*, 20, 4695, doi:10.1088/0264-9381/20/21/009, ADS Link
- [46] Bloch, J., 2001, *Writing Effective Java*, Addison-Wesley, 1st edn.
- [47] Bloom, J.S., Richards, J.W., Nugent, P.E., et al., 2012, *PASP*, 124, 1175 (arXiv:1106.5491), doi:10.1086/668468, ADS Link
- [48] **[IVOAMOC]**, Boch, T., Donaldson, T., Durand, D., et al., 2014, *MOC - HEALPix Multi-Order Coverage map Version 1.0*, URL <http://www.ivoa.net/documents/MOC/>
- [49] Bombrun, A., Lindegren, L., Holl, B., Jordan, S., 2010, *A&A*, 516, A77, doi:10.1051/0004-6361/200913503, ADS Link
- [50] Bombrun, A., Lindegren, L., Hobbs, D., et al., 2012, *Astronomy and Astrophysics*, 538, A77, DOI: <http://dx.doi.org/10.1051/0004-6361/201117904>
- [51] Bonnarel, F., Fernique, P., Bienaymé, O., et al., 2000, *A&AS*, 143, 33, doi:10.1051/aas:2000331, ADS Link
- [52] Booch, G., Rumbaugh, J., Jacobson, I., 2005, *The Unified Modeling Language User Guide*, Addison-Wesley Professional, 2nd edn.
- [53] de Boor, C., 2001, *A Practical Guide to Splines*, Springer, revised edn.
- [54] Bradley, J., 1727, *Royal Society of London Philosophical Transactions Series I*, 35, 637, ADS Link
- [55] Bretagnon, P., 1982, *A&A*, 114, 278, ADS Link
- [56] Bretagnon, P., Francou, G., 1988, *A&A*, 202, 309, ADS Link
- [57] Brett, D.R., West, R.G., Wheatley, P.J., 2004, *MNRAS*, 353, 369 (arXiv:astro-ph/0408118), doi:10.1111/j.1365-2966.2004.08093.x, ADS Link
- [58] Brown, A.G.A., 2005, In: Turon, C., O'Flaherty, K.S., Perryman, M.A.C. (eds.) *ESA SP-576: The Three-Dimensional Universe with Gaia*, 377–+, ADS Link

- [59] Brown, S., 2010, *Characterisation and Mitigation of Radiation Damage on the Gaia Astrometric Field*, Ph.D. thesis, Institute of Astronomy, University of Cambridge, Madingley Road, Cambridge, CB3 0HA, United Kingdom
- [60] de Bruijne, J., 2004,
private communication
- [61] de Bruijne, J., Jordi, C., 2004, URL <http://gaia.am.ub.es/PWG/common/instrumGAIA2.html>,
private communication
- [62] Brumfit, J., 2002, *Java Coding Standard and Guidelines for the Herschel Common Science System*, Tech. rep., ESTEC,
HSCDT/TN009
- [63] Bucciarelli, B., Taff, L.G., Lattanzi, M.G., 1993, *J. Statist. Comput. Simul.*, 48, 29
- [64] Bucciarelli, B., Lattanzi, M.G., Taff, L.G., 1994, *ApJ*, 433, 831, doi:10.1086/174692, ADS Link
- [65] Burt, D., 2003, *Gaia Technology Demonstrator: AF CCD DESIGN REPORT*, Tech. rep., e2v,
GAIA-E2V-RP-020
- [66] Bus, S.J., Binzel, R.P., 2002, *Icarus*, 158, 106, doi:10.1006/icar.2002.6857, ADS Link
- [67] Bus, S.J., Binzel, R.P., 2002, *Icarus*, 158, 146, doi:10.1006/icar.2002.6856, ADS Link
- [68] Bus, S.J., Binzel, R.P., 2002, *Icarus*, 158, 106
- [69] Busonero, D., Gai, M., Gardiol, D., Lattanzi, M.G., Loreggia, D., 2006, *A&A*, 449, 827 (arXiv:astro-ph/0511572), doi:10.1051/0004-6361:20054180, ADS Link
- [70] Cardelli, J.A., Clayton, G.C., Mathis, J.S., 1989, *ApJ*, 345, 245, doi:10.1086/167900, ADS Link
- [71] Casertano, S., Hut, P., 1985, *ApJ*, 298, 80, doi:10.1086/163589, ADS Link
- [72] Chamberlin D., B.R., 1974, *SEQUL: A Structured English Query Language*, Tech. rep., IBM research laboratory,
<http://faculty.cse.tamu.edu/yurttas/PL/DBL/docs/sequel-1974.pdf>
- [73] Chorier, P., Tribolet, P., Destéfanis, G., 2006, In: Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, vol. 6206 of Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 620601, doi:10.1117/12.669128, ADS Link

- [74] **[LDM-492]**, Ciardi, D.R., Wu, X., Dubois-Felsmann, G., 2016, *A Vision for the Science User Interface and Tools*, LDM-492, URL <https://ls.st/LDM-492>
- [75] Claeskens, J.F., Smette, A., Vandenbulcke, L., Surdej, J., 2006, MNRAS, 367, 879, doi:10.1111/j.1365-2966.2006.10024.x, ADS Link
- [76] **[LSE-17]**, Claver, C., Angeli, G., Selvy, B., 2016, *Systems Engineering Management Plan*, LSE-17, URL <https://ls.st/LSE-17>
- [77] **[LSE-29]**, Claver, C.F., The LSST Systems Engineering Integrated Project Team, 2016, *LSST System Requirements*, LSE-29, URL <https://ls.st/LSE-29>
- [78] **[LSE-30]**, Claver, C.F., The LSST Systems Engineering Integrated Project Team, 2016, *LSST System Requirements*, LSE-30, URL <https://ls.st/LSE-30>
- [79] Colangelo, G., 2004, *Gaia System Requirements Document for Technical Assistance & Definition Phase*, Tech. rep., ESA, Gaia-SRC-001, Issue 1.0
- [80] Collins, J., 2001, *Good to Great: Why Some Companies Make the Leap...And Others Don't*, HarperCollins, URL <http://books.google.es/books?id=Q7ja95uwUT4C>
- [81] Comoretto, G., Gallegos, J., Els, S., et al., 2012, In: Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, vol. 8449 of Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, doi:10.1117/12.926797, ADS Link
- [82] Connolly, A.J., Smith, I., Krughoff, K.S., Gibson, R., 2011, In: Evans, I.N., Accomazzi, A., Mink, D.J., Rots, A.H. (eds.) *Astronomical Data Analysis Software and Systems XX*, vol. 442 of Astronomical Society of the Pacific Conference Series, 443, ADS Link
- [83] Corporation, O., 2006, *Installing Oracle RAC 10g on Linux x86*, Tech. rep., http://www.oracle.com/technology/pub/articles/smiley_rac10g_install.html
- [84] Cropper, M., Rosen, S., Spectra extraction, CU6 Workshop2, http://wwwhip.obspm.fr/gaia/cu6/workshop_2/DM6_w2_Cropper_extraction.pdf
- [85] Crosta, M.T., 2003, *Methods of Relativistic Astrometry for the analysis of astrometric data in the Solar System gravitational field*, Ph.D. thesis
- [86] Crosta, M.T., Mignard, F., 2005, In: Turon, C., O'Flaherty, K.S., Perryman, M.A.C. (eds.) *The Three-Dimensional Universe with Gaia*, vol. 576 of ESA Special Publication, 281-+, ADS Link

- [87] Crosta, M.T., Mignard, F., 2006, *Classical and Quantum Gravity*, 23, 4853 (arXiv:astro-ph/0512359), doi:10.1088/0264-9381/23/15/006, ADS Link
- [88] de Bruijne, J., Kohley, R., Prusti, T., 2010, In: *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, vol. 7731 of *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, doi:10.1117/12.862062, ADS Link
- [89] de Bruijne, J.H.J., Lammers, U., Perryman, M.A.C., 2005, In: C. Turon, K. S. O'Flaherty, & M. A. C. Perryman (ed.) *The Three-Dimensional Universe with Gaia*, vol. 576 of *ESA Special Publication*, 67–+, ADS Link
- [90] de Felice, F., Preti, G., 2006, *Classical and Quantum Gravity*, 23, 5467, doi:10.1088/0264-9381/23/18/001, ADS Link
- [91] de Felice, F., Lattanzi, M.G., Vecchiato, A., Bernacca, P.L., 1997, In: R. M. Bonnet, E. Høg, P. L. Bernacca, L. Emiliani, A. Blaauw, C. Turon, J. Kovalevsky, L. Lindegren, H. Hassan, M. Bouffard, B. Strim, D. Heger, M. A. C. Perryman, & L. Woltjer (ed.) *Hipparcos - Venice '97*, vol. 402 of *ESA Special Publication*, 767–770, ADS Link
- [92] de Felice, F., Lattanzi, M.G., Vecchiato, A., Bernacca, P.L., 1998, *A&A*, 332, 1133, ADS Link
- [93] de Felice, F., Bucciarelli, B., Lattanzi, M.G., Vecchiato, A., 2001, *A&A*, 373, 336, doi:10.1051/0004-6361:20010499, ADS Link
- [94] de Felice, F., Crosta, M.T., Vecchiato, A., Lattanzi, M.G., Bucciarelli, B., 2004, *ApJ*, 607, 580 (arXiv:astro-ph/0401637), doi:10.1086/383244, ADS Link
- [95] de Felice, F., Vecchiato, A., Crosta, M.T., Lattanzi, M.G., Bucciarelli, B., 2006, *ApJ*, 653, 1552, doi:10.1051/0004-6361:20042372, ADS Link
- [96] Dehnen, W., Binney, J.J., 1998, *MNRAS*, 298, 387 (arXiv:astro-ph/9710077), doi:10.1046/j.1365-8711.1998.01600.x, ADS Link
- [97] Dierckx, P., 1995, *C and Surface Fitting with Splines*, Oxford Science Publications, Oxford University Press, paperback edn.
- [98] Dowler, P., Rixon, G., Tody, D., 2011, *ArXiv e-prints* (arXiv:1110.0497), ADS Link
- [99] Dowler P., T.D., Rixon G., 2010, *Table Access Protocol*, Tech. rep., IVOA, REC-TAP-1.0
- [100] Drimmel, R., Spergel, D.N., 2001, *ApJ*, 556, 181, doi:10.1086/321556, ADS Link

- [101] **[LSE-81]**, Dubois-Felsmann, G., 2013, *LSST Science and Project Sizing Inputs*, LSE-81, URL <https://ls.st/LSE-81>
- [102] **[LSE-61]**, Dubois-Felsmann, G., 2016, *LSST Data Management Subsystem Requirements*, LSE-61, URL <https://ls.st/LSE-61>
- [103] EADS Astrium, 2004, *GAIA Point Spread Function and internal straylight evaluation*, Tech. rep.,
GAIASYS.NT.00134.T.ASTR
- [104] EADS Astrium, 2010, *GAIA PLM TB/TV test specification: functional and performance tests*, Tech. rep.,
GAIA.ASF.SP.PLM.00174
- [105] EADS Astrium, 2011, *Gaia Attitude- and Orbit-Control sub-System Normal Mode Final Tuning and Stability Analysis*, Tech. rep.,
GAIA.ASU.TCN.ESM.00153
- [106] ESA, 1997, *The Hipparcos and Tycho Catalogues*, ESA,
ESA SP-1200
- [107] ESA, 2000, *GAIA — Composition, Formation and Evolution of the Galaxy*, Tech. rep.,
Concept and Technology Study Report, ESA-SCI(2000)4
- [108] **[ESA/SPC(2009)6]**, ESA, 2009, *Licensing of Data Processing Software for the Science Programme*,
ESA/SPC(2009)6
- [109] **[ECSS-M-30-01A]**, ESA Publications Division, 1999, *Organization and Conduct of Reviews*,
ECSS-M-30-01A
- [110] **[ECSS-M-00-02A]**, ESA Publications Division, 2000, *Project Organisation*,
ECSS-M-00-02A
- [111] **[ECSS-E-10-6a]**, ESA Publications Division, 2003, *Functional and Technical Specifications*,
ECSS-E-10 part 6a
- [112] **[ECSS-Q-80B]**, ESA Publications Division, 2003, *Software Product Assurance*,
ECSS-Q-80B
- [113] **[ECSS-M-10B]**, ESA Publications Division, 2003, *Project Breakdown Structures*,
ECSS-M-10B

- [114] **[ECSS-M-20B]**, ESA Publications Division, 2003, *Project Organisation*,
ECSS-M-20B
- [115] **[ECSS-M-30B]**, ESA Publications Division, 2003, *Project Phasing and Planning*,
ECSS-M-30B
- [116] **[ECSS-M-40B]**, ESA Publications Division, 2003, *Space Project Management - configuration management*,
ECSS-M-40B
- [117] **[ECSS-M-50B]**, ESA Publications Division, 2003, *Space Project Management - information/documentation management*,
ECSS-M-50B Draft 8
- [118] **[ECSS-E-40-1B]**, ESA Publications Division, 2003, *Space engineering - Software - Part 1: Principles and requirements*,
ECSS-E-40 Part 1B
- [119] **[ECSS-E-40-2B]**, ESA Publications Division, 2005, *Space engineering - Software - Part 2: Document Requirements Definitions*,
ECSS-E-40 Part 2B
- [120] **[ECSS-M-ST-60C]**, ESA Publications Division, 2008, *Space project management - Cost and schedule management*,
ECSS-M-ST-60C
- [121] **[ECSS-M-ST-10C]**, ESA Publications Division, 2008, *Space project management - Project planning and implementation*,
ECSS-M-ST-10C
- [122] Evans, N.W., Belokurov, V., 2005, In: Turon, C., O'Flaherty, K.S., Perryman, M.A.C. (eds.) ESA SP-576: The Three-Dimensional Universe with Gaia, 385–+, ADS Link
- [123] Eyer, L., 1998, Ph.D. Thesis, ADS Link
- [124] Eyer, L., 2002, Acta Astronomica, 52, 241 (arXiv:astro-ph/0206074), ADS Link
- [125] Eyer, L., 2005, In: Turon, C., O'Flaherty, K.S., Perryman, M.A.C. (eds.) ESA SP-576: The Three-Dimensional Universe with Gaia, 513–+, ADS Link
- [126] Eyer, L., 2006, In: Sterken, C., Aerts, C. (eds.) Astronomical Society of the Pacific Conference Series, 15–+, ADS Link

- [127] Eyer, L., 2006, *Memorie della Societa Astronomica Italiana*, 77, 549
(arXiv:astro-ph/0511460), ADS Link
- [128] Eyer, L., Blake, C., 2002, In: Aerts, C., Bedding, T.R., Christensen-Dalsgaard, J. (eds.) ASP Conf. Ser. 259: IAU Colloq. 185: Radial and Nonradial Pulsations as Probes of Stellar Physics, 160–+, ADS Link
- [129] Eyer, L., Blake, C., 2005, *MNRAS*, 358, 30 (arXiv:astro-ph/0406333),
doi:10.1111/j.1365-2966.2005.08651.x, ADS Link
- [130] Eyer, L., Cuypers, J., 2000, In: Szabados, L., Kurtz, D. (eds.) ASP Conf. Ser. 203: IAU Colloq. 176: The Impact of Large-Scale Surveys on Pulsating Star Research, 71–72, ADS Link
- [131] Eyer, L., Grenon, M., 1997, In: ESA SP-402: Hipparcos - Venice '97, 467–472, ADS Link
- [132] Eyer, L., Mignard, F., 2005, *MNRAS*, 361, 1136, doi:10.1111/j.1365-2966.2005.09266.x,
ADS Link
- [133] Fabricius, C., Torra, J., *GDAAS Algorithm Preparation Guidelines*, Tech. rep., GDAAS Configuration Control Board,
CCB-GDAAS-002
- [134] Fernandez, M.M., 2005, *Gaia TT&C Subsystem Analysis*, Tech. rep.,
Note prepared at request of Project team
- [135] Fienga, A., Laskar, J., Simon, J.L., Manche, H., Gastineau, M., 2005, In: Turon, C., O’Flaherty, K.S., Perryman, M.A.C. (eds.) ESA SP-576: The Three-Dimensional Universe with Gaia, 293–+, ADS Link
- [136] Fornies-Marquina, J., Letosa, J., García-Gracia, M., Artacho, J., 1997, *IEEE transactions on magnetics*, 33, 1456
- [137] Fraedrich, R., Schneider, J., Westermann, R., 2009, *IEEE Transactions on Visualization and Computer Graphics (Proceedings Visualization / Information Visualization 2009)*, 15, to appear, doi:xx.xxxx/xxxxxxxx.xxxxxxx
- [138] **[LDM-129]**, Freemon, M., Kantor, J., 2013, *Data Management Infrastructure Design*, LDM-129, URL <https://ls.st/LDM-129>
- [139] **[LDM-143]**, Freemon, M., Pietrowicz, S., 2013, *Site Specific Infrastructure Estimation Explanation*, LDM-143, URL <https://ls.st/LDM-143>

- [140] Furnell, R., 2005, *Gaia Space/Ground Interface Control Document Volume 1: RF Interface*, Tech. rep., ESA/ESOC, GAIA-ESC-ICD-515
- [141] Furnell, R., 2005, *Gaia Space/Ground Interface Control Document Volume 2: Generic Packet Structure*, Tech. rep., ESA/ESOC, GAIA-ESC-ICD-516
- [142] Gai, M., Busonero, D., Gardiol, D., Loreggia, D., 2005, In: Turon, C., O'Flaherty, K.S., Perryman, M.A.C. (eds.) *ESA SP-576: The Three-Dimensional Universe with Gaia*, 433–+, ADS Link
- [143] Gamma, E., Helm, R., Johnson, R., Vlissides, J., 1994, *Design Patterns: Elements of Reusable Object-Oriented Software*, Addison-Wesley Professional Computing Series
- [144] Gardiol, D., Loreggia, D., Mannu, S., et al., 2004, In: Craig, S.C., Cullum, M.J. (eds.) *Modeling and Systems Engineering for Astronomy*. Edited by Craig, Simon C.; Cullum, Martin J. *Proceedings of the SPIE*, Volume 5497, pp. 461-470 (2004), 461–470, doi:10.1117/12.550356, ADS Link
- [145] Gaudet, S., Hill, N., Armstrong, P., et al., 2010, In: *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, vol. 7740 of *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, doi:10.1117/12.858026, ADS Link
- [146] Gielesen, W., de Bruijn, D., van den Dool, T., et al., 2012, In: *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, vol. 8442 of *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, doi:10.1117/12.926322, ADS Link
- [147] Gill, R., Gracia, G., Lupton, R.H., O'Mullane, W., 2014, In: *Modeling, Systems Engineering, and Project Management for Astronomy VI*, vol. 9150 of *SPIE*, 91501E, doi:10.1117/12.2054745, ADS Link
- [148] Gilmore, G.F., de Boer, K.S., Favata, F., et al., 2000, In: Breckinridge, J.B., Jakobsen, P. (eds.) *Proc. SPIE Vol. 4013*, p. 453-472, *UV, Optical, and IR Space Telescopes and Instruments*, James B. Breckinridge; Peter Jakobsen; Eds., vol. 4013 of *Presented at the Society of Photo-Optical Instrumentation Engineers (SPIE) Conference*, 453–472, ADS Link

- [149] Gomez, A.E., Grenier, S., Udry, S., et al., 1997, In: ESA SP-402: Hipparcos - Venice '97, 621–624, ADS Link
- [150] Górski, K.M., Hivon, E., Banday, A.J., et al., 2005, *ApJ*, 622, 759 (arXiv:astro-ph/0409513), doi:10.1086/427976
- [151] Górski, K.M., Hivon, E., Banday, A.J., et al., 2005, *ApJ*, 622, 759 (arXiv:astro-ph/0409513), doi:10.1086/427976, ADS Link
- [152] Gosling, J., Joy, B., Steele, G., 2000, *The Java Language Specification*, Addison-Wesley, 2nd edn.
- [153] Graham M., R.G., Morris D., 2009, *VOSpace specification*, Tech. rep., IVOA, REC-VOSpace-1.15
- [154] Graham M., R.G., Morris D., 2011, *VOSpace specification*, Tech. rep., IVOA, REC-VOSpace-2.0
- [155] Gray, J., Szalay, A.S., Thakar, A., et al., 2003, *Distributed Data and Structures 4: Records of the 4th International Meeting*, W. Litwin, G. Levy (eds), Paris France March 2002
- [156] Greenbaum, A., 1997, *Iterative Methods for Solving Linear Systems*, SIAM
- [157] Gregory, P.C., 2010, *Bayesian Logical Data Analysis for the Physical Sciences*, Cambridge University Press, 1 edn.
- [158] Groom, D.E., Eberhard, P.H., Holland, S.E., et al., 2000, In: P. Amico & J. W. Beletic (ed.) *Astrophysics and Space Science Library*, vol. 252 of *Astrophysics and Space Science Library*, 201–+, ADS Link
- [159] Grossman, R., Gu, Y., Hong, X., et al., 2004, URL citeseer.ist.psu.edu/729500.html
- [160] Grün, E., Zook, H.A., Fechtig, H., Giese, R., 1985, *Icarus*, 62, 244, doi:10.1016/0019-1035(85)90121-6, ADS Link
- [161] Guerrier, A., , *Software Design Document for Wavelength Calibration*, Tech. rep., GAIA-C6-TN-OPM-AG-003-1
- [162] Guerrier, A., , *Software Design Document for Apply Calibration*, Tech. rep., GAIA-C6-SP-OPM-AG-004-1
- [163] Gunn, A.G., Hall, J.C., Lockwood, G.W., Doyle, J.G., 1996, *A&A*, 305, 146, ADS Link

- [164] Hamilton, W.R., 1843, In: Proceedings of the Royal Irish Academy, vol. 2, 424–434, <http://www.maths.tcd.ie/pub/HistMath/People/Hamilton/Quatern1/Quatern1.html>
- [165] Hamilton, W.R., 1844, In: Proceedings of the Royal Irish Academy, vol. 3, 1–16, <http://www.maths.tcd.ie/pub/HistMath/People/Hamilton/OnQuat/OnQuat.pdf>
- [166] Hamilton, W.R., 1847, In: Proceedings of the Royal Irish Academy, vol. 3, 1–16, <http://www.maths.tcd.ie/pub/HistMath/People/Hamilton/Quatern2/Quatern2.html>
- [167] Handy, C., 1993, *Understanding organizations*, Penguin Books, London, England New York, N.Y., USA
- [168] Hankins, T.L., 1980, *Sir William Rowan Hamilton*, The Johns Hopkins University Press
- [169] Harrison, D.L., 2011, *Experimental Astronomy*, 31, 157 (arXiv:1107.0210), doi:10.1007/s10686-011-9240-7, ADS Link
- [170] Harrison P., R.G., 2010, *Universal Worker Service Pattern*, Tech. rep., IVOA, REC-UWS-1.0
- [171] Hassan, A., Fluke, C.J., 2011, ArXiv e-prints (arXiv:1102.5123), ADS Link
- [172] Haywood, M., Robin, A.C., Creze, M., 1997, *A&A*, 320, 428, ADS Link
- [173] Hechler, M., 2004, ESOC, private communication
- [174] Hechler, M., 2006, *GAIA Consolidated Report on Mission Analysis (CReMA)*, Tech. rep., ESA, European Space Operations Centre, GAIA-ESC-RP-0001, Issue 2.0
- [175] Hees, A., Hestroffer, D., Le Poncin-Lafitte, C., David, P., 2015, ArXiv e-prints (arXiv:1509.06868), ADS Link
- [176] Helmi, A., de Zeeuw, P.T., 2000, *MNRAS*, 319, 657 (arXiv:astro-ph/0007166), ADS Link
- [177] Høg, E., 1994, *A new era of global astrometry and photometry from space and ground*, Tech. rep., CUO, Contribution at the G. Colombo Memorial Conference : Ideas for Space Research after the Year 2000.
- [178] Høg, E., Bernacca, P.L., Emiliani, L., 1997, In: Perryman, M., Bernacca, P. (eds.) *Proc. of Hipparcos Venice 97*, xxvii–xxxv

- [179] Høg, E., Fabricius, C., Makarov, V.V., et al., 2000, *A&A*, 355, L27, [ADS Link](#)
- [180] Hogg, D.W., Lang, D., 2008, In: American Institute of Physics Conference Series, vol. 1082 of American Institute of Physics Conference Series, 331–338, doi:10.1063/1.3059072, [ADS Link](#)
- [181] Hogg, D.W., Lang, D., 2011, In: EAS Publications Series, vol. 45 of EAS Publications Series, 351–358 (arXiv:1008.0738), doi:10.1051/eas/1045059, [ADS Link](#)
- [182] Holl, B., Lindegren, L., 2012, *A&A*, 543, A14, doi:10.1051/0004-6361/201218807, [ADS Link](#)
- [183] Holl, B., Hobbs, D., Lindegren, L., 2010, In: S. A. Klioner, P. K. Seidelmann, & M. H. Soffel (ed.) *IAU Symposium*, vol. 261 of *IAU Symposium*, 320–324, doi:10.1017/S1743921309990573, [ADS Link](#)
- [184] Holl, B., Lindegren, L., Hobbs, D., 2012, *A&A*, 543, A15, doi:10.1051/0004-6361/201218808, [ADS Link](#)
- [185] Holland, S.E., Groom, D.E., Palaio, N.P., Stover, R.J., Wei, M., 2003, *IEEE transactions on electron devices*, 50, 225
- [186] Huckle, H., 2007, *Continuum Normalisation*, Tech. rep., GAIA-C6-SP-MSSL-HEH-001-D
- [187] IAU, 2001, *Information Bulletin*, 88, (errata in *IAU Information Bulletin*, 89)
- [188] **[LPM-17]**, Ivezić, Ž., The LSST Science Collaboration, 2011, *LSST Science Requirements Document*, LPM-17, URL <https://ls.st/LPM-17>
- [189] J.A. Zensus, P.N., P.J. Napier, 1995, *Very Long Baseline Interferometry and the VLBA*, *Astronomical Society of the Pacific*, asp conference series vol. 82 edn.
- [190] Jacobson, I., Booch, G., Rumbaugh, J., 1999, *The Unified Software Development Process*, Addison-Wesley Professional, 1st edn.
- [191] Janesick, J.R., 2001, *Scientific charge-coupled devices*
- [192] Jee, M.J., Tyson, J.A., 2011, *PASP*, 123, 596 (arXiv:1011.1913), doi:10.1086/660137, [ADS Link](#)

- [193] **[LDM-512]**, Jenness, T., O'Mullane, W., 2017, *Data Management Risk Assessment Process*, LDM-512, URL <https://ls.st/LDM-512>
- [194] Jenness, T., Bosch, J., Owen, R., et al., 2016, In: *Software and Cyberinfrastructure for Astronomy IV*, vol. 9913 of Proc. SPIE, 99130G, doi:10.1117/12.2231313, ADS Link
- [195] Jessen, N.C., Nørgaard-Nielsen, H.U., Stevenson, T., et al., 2004, In: J. Antebi & D. Lemke (ed.) *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, vol. 5495 of Presented at the Society of Photo-Optical Instrumentation Engineers (SPIE) Conference, 23–30, doi:10.1117/12.550023, ADS Link
- [196] **[LSE-180]**, Jones, L., 2013, *Level 2 Photometric Calibration for the LSST Survey*, LSE-180, URL <https://ls.st/LSE-180>
- [197] Jones, R.L., Padmanabhan, N., Ivezić, Z., et al., 2010, In: *Observatory Operations: Strategies, Processes, and Systems III*, vol. 7737 of Proc. SPIE, 77371F, doi:10.1117/12.857743, ADS Link
- [198] Jorden, P.R., Jordan, D., Jerram, P.A., Pratlong, J., Swindells, I., 2014, In: *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, vol. 9154 of Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 91540M, doi:10.1117/12.2069423, ADS Link
- [199] Jordi, C., Høg, E., Brown, A.G.A., de Bruijne, J., 2006, *Gaia spectrophotometers: optimization study*, Tech. rep., GAIA-CH-TN-UB-CJ-037
- [200] Jordi, C., Høg, E., Brown, A.G.A., et al., 2006, MNRAS, 367, 290 (arXiv:astro-ph/0512038), doi:10.1111/j.1365-2966.2005.09944.x, ADS Link
- [201] Jordi, C., Gebran, M., Carrasco, J.M., et al., 2010, A&A, 523, A48 (arXiv:1008.0815), doi:10.1051/0004-6361/201015441, ADS Link
- [202] **[LDM-134]**, Juric, M., Allsman, R., Kantor, J., 2013, *Data Management Applications UML Use Case Model*, LDM-134, URL <https://ls.st/LDM-134>
- [203] **[LDM-133]**, Juric, M., Lim, K.T., Kantor, J., 2013, *Data Management UML Domain Model*, LDM-133, URL <https://ls.st/LDM-133>
- [204] **[LDM-151]**, Jurić, M., Lupton, R., et al., T.A., 2013, *Data Management Applications Design*, LDM-151, URL <https://ls.st/LDM-151>

- [205] **[LSE-163]**, Juric, M., et al., 2017, *LSST Data Products Definition Document*, LSE-163, URL <https://ls.st/LSE-163>
- [206] Kane, T.R., Likins, P.W., Levinson, D.A., 1983, *Spacecraft dynamics*, McGraw Hill Book Company, 1 edn.
- [207] **[LDM-148]**, Kantor, J., Axelrod, T., 2013, *Data Management System Design*, LDM-148, URL <https://ls.st/LDM-148>
- [208] **[LDM-138]**, Kantor, J., Axelrod, T., Lim, K.T., 2013, *Data Management Compute Sizing Model*, LDM-138, URL <https://ls.st/LDM-138>
- [209] **[LDM-240]**, Kantor, J., Juric, M., Lim, K.T., 2016, *Data Management Releases*, LDM-240, URL <https://ls.st/LDM-240>
- [210] Katz, D., Gaia - RVS: DPAC and CU6, CU6 Workshop2, http://wwwhip.obspm.fr/gaia/cu6/workshop_2/CU6_w2_Katz_intro.pdf
- [211] Klioner, S.A., 2001, ArXiv Astrophysics e-prints (arXiv:astro-ph/0107457), ADS Link
- [212] Klioner, S.A., 2003, AJ, 125, 1580, ADS Link
- [213] Klioner, S.A., 2004, Phys. Rev. D, 69, 124001 (arXiv:astro-ph/0311540), doi:10.1103/PhysRevD.69.124001, ADS Link
- [214] Klioner, S.A., 2005, In: Turon, C., O'Flaherty, K.S., Perryman, M.A.C. (eds.) *The Three-Dimensional Universe with Gaia*, vol. 576 of ESA Special Publication, 207–+, ADS Link
- [215] Klioner, S.A., 2008, A&A, 478, 951, doi:10.1051/0004-6361:20077786, ADS Link
- [216] Klioner, S.A., 2008, In: H. Dittus, C. Lammerzahl, & S. G. Turyshev (ed.) *Lasers, Clocks and Drag-Free Control: Exploration of Relativistic Gravity in Space*, vol. 349 of *Astrophysics and Space Science Library*, 399, doi:10.1007/978-3-540-34377-6_19, ADS Link
- [217] Klioner, S.A., Peip, M., 2003, A&A, 410, 1063 (arXiv:astro-ph/0305204), doi:10.1051/0004-6361:20031283, ADS Link
- [218] Klioner, S.A., Soffel, M.H., 2000, Phys. Rev. D, 62, 024019 (arXiv:gr-qc/9906123), ADS Link

- [219] Klioner, S.A., Soffel, M.H., 2005, In: Turon, C., O'Flaherty, K.S., Perryman, M.A.C. (eds.) The Three-Dimensional Universe with Gaia, vol. 576 of ESA Special Publication, 305–+, ADS Link
- [220] Klioner, S.A., Zschocke, S., Soffel, M.H., Butkevich, A.G., 2010, ArXiv e-prints (arXiv:1002.5016), ADS Link
- [221] Kobayashi, Y., Gouda, G., Tsujimoto, T., et al., 2006, Exploiting Large Surveys for Galactic Astronomy, 26th meeting of the IAU, Joint Discussion 13, 22-23 August 2006, Prague, Czech Republic, JD13, #32, 13, ADS Link
- [222] Kohley, R., Garé, P., Vétel, C., Marchais, D., Chassat, F., 2012, In: Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, vol. 8442 of Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, doi:10.1117/12.926144, ADS Link
- [223] Kopeikin, S., Vlasov, I., 2004, Phys. Rep., 400, 209 (arXiv:gr-qc/0403068), doi:10.1016/j.physrep.2004.08.004, ADS Link
- [224] Korn, G.A., Korn, T.M., 1961, *Mathematical handbook for scientists and engineers*, McGraw Hill Book Company, 1 edn.
- [225] Kovalevsky, J., 1998, ARA&A, 36, 99, doi:10.1146/annurev.astro.36.1.99, ADS Link
- [226] Kovalevsky, J., Lindegren, L., Froeschle, M., et al., 1995, A&A, 304, 34, ADS Link
- [227] **[LPM-20]**, Krabbendam, V., Selvy, B., 2015, *Risk & Opportunity Management Plan*, LPM-20, URL <https://ls.st/LPM-20>
- [228] **[EISD-EPNS-00003]**, Krall, C., 2004, *IMPLEMENTATION OF THE ESA NETWORK SECURITY POLICY*, EISD-EPNS-00003
- [229] Kruchten, P., 2003, *The Rational Unified Process: An Introduction*, Addison-Wesley Professional, 3rd edn.
- [230] Lallo, M. and Petro, L., *Bidirectional reflectance distribution function for the NGST mirrors*, Tech. rep., Space Telescope Science Institute
- [231] Lammers, U., , unpublished results - see also http://www.rssd.esa.int/\discretionary{-}{-}{-}GAIA/\discretionary{-}{-}{-}PoW_ground_station_visibility.html

- [232] Lammers, U., ,
unpublished results
- [233] Lammers, U., Lindegren, L., O'Mullane, W., Hobbs, D., 2009, In: D. A. Bohlender, D. Durand, & P. Dowler (ed.) *Astronomical Data Analysis Software and Systems XVIII*, vol. 411 of *Astronomical Society of the Pacific Conference Series*, 55–+, ADS Link
- [234] Larman, C., Basili, V.R., 2003, *Iterative and Incremental Development: A Brief History*, Tech. rep.,
<http://www2.umassd.edu/SWPI/xp/articles/r6047.pdf>
- [235] Lasker, B., Lattanzi, M., McLean, B., et al., 2008, *The Astronomical Journal*, 136, doi:10.1088/0004-6256/136/2/735, ADS Link
- [236] Lattanzi, M., Drimmel, R., 2003,
private communication
- [237] Lattanzi, M.G., Spagna, A., Sozzetti, A., Casertano, S., 2000, *MNRAS*, 317, 211 (arXiv:astro-ph/0005024), ADS Link
- [238] Lattanzi, M.G., Casertano, S., Jancart, S., et al., 2005, In: Turon, C., O'Flaherty, K.S., Perryman, M.A.C. (eds.) *ESA SP-576: The Three-Dimensional Universe with Gaia*, 251–+, ADS Link
- [239] van Leeuwen, F., 1997, *The Hipparcos Mission*, Springer, *Space Science Reviews*, Vol.81 edn.
- [240] van Leeuwen, F., 2007, *Hipparcos, the New Reduction of the Raw Data*, Springer, *Astrophysics and Space Science Library*. Vol. 350 edn.
- [241] Lejeune, T., Cuisinier, F., Buser, R., 1998, *A&AS*, 130, 65 (arXiv:astro-ph/9710350), ADS Link
- [242] Lenhardt, H., 2003, *GIS implementation in GDAAS2: Detailed Geometrical Calibration*, Tech. rep., ARI, GAIA-ARI-HL-001
- [243] **[SATSCMP]**, Leon, I., 2009, *SCIENCE ARCHIVE - SOFTWARE CONFIGURATION MANAGEMENT PLAN (SCMP)*,
SAT_GEN_PL_2.0_01_SCMP_05112009, URL http://www.rssd.esa.int/llink/livelink/fetch/-415780/495310/1051419/Sw_Conf_Mng_Plan_v2-0.pdf?nodeid=2942288&vernum=-2

- [244] **[LDM-230]**, Lim, K.T., 2013, *Automated Operation of the LSST Data Management System*, LDM-230, URL <https://ls.st/LDM-230>
- [245] **[LDM-146]**, Lim, K.T., Allsman, R., Kantor, J., 2013, *Data Management Middleware UML Use Case and Activity Model*, LDM-146, URL <https://ls.st/LDM-146>
- [246] **[LDM-152]**, Lim, K.T., Plante, R., Dubois-Felsmann, G., 2013, *Data Management Middleware Design*, LDM-152, URL <https://ls.st/LDM-152>
- [247] **[LDM-140]**, Lim, K.T., Smith, C., Axelrod, T., Dubois-Felsmann, G., Freemon, M., 2013, *Data Management Compute Sizing Explanation*, LDM-140, URL <https://ls.st/LDM-140>
- [248] Lindegren, L., 1976, *A three-step procedure for deriving positions, proper motions, and parallaxes of stars observed by scanning great circles*, Tech. rep., Lund Observatory, Lund Observatory Technical note
- [249] Lindegren, L., 1978, In: Prochazka, F.V., Tucker, R.H. (eds.) IAU Colloq. 48: Modern Astrometry, 197–217, ADS Link
- [250] Lindegren, L., 1983, *Pseudosolution and pseudocovariances of least-squares problems with known null space*, Tech. rep., Lund Observatory, NDAC/LO/018, Hipparcos NDAC
- [251] Lindegren, L., 1995, A&A, 304, 61, ADS Link
- [252] Lindegren, L., 2005, In: Turon, C., O’Flaherty, K.S., Perryman, M.A.C. (eds.) The Three-Dimensional Universe with Gaia, vol. 576 of ESA Special Publication, 29–+, ADS Link
- [253] Lindegren, L., 2009, Proceedings of the International Astronomical Union, 5, 296, doi:10.1017/S1743921309990548
- [254] Lindegren, L., 2010, ISSI Scientific Reports Series, 9, 279, ADS Link
- [255] Lindegren, L., et al, M.P., 1993, *GAIA : Global Astrometric Interferometer for Astrophysics*, Tech. rep., Lund, URL http://www.astro.lu.se/%7E1ennart/Astrometry/gaia_proposal.PDF
- [256] Lindegren, L., Bastian, U., 2011, In: EAS Publications Series, vol. 45 of EAS Publications Series, 109–114, doi:10.1051/eas/1045018, ADS Link

- [257] Lindegren, L., Perryman, M.A.C., 1994, *A Small Interferometer in Space for Global Astrometry: the Gaia Concept*, Tech. rep., Lund Observatory, IAU Symp. No 166, Astronomical and Astrophysical Objectives of sub-milliarcsecond Optical Astronomy, The Hague, 15–19 August 1994
- [258] Lindegren, L., Perryman, M.A.C., 1994, *GAIA: Global Astrometric Interferometer for Astrophysics*, Tech. rep., Lund Observatory, Supplementary Information Submitted to the Horizon2000+ Survey Committee
- [259] Lindegren, L., Perryman, M.A.C., Bastian, U., et al., 1993, *GAIA: Global Astrometric Interferometer for Astrophysics*, Tech. rep., Lund Observatory, Response to Call for Mission Concepts for Horizon 2000 Follow UP: Proposal for an astrometric interferometer as an ESA Cornerstone Mission
- [260] Lindegren, L., Perryman, M.A.C., Bastian, U., et al., 1994, *GAIA: Global Astrometric Interferometer for Astrophysics*, Tech. rep., Lund Observatory, Proc. of Astronomical Telescopes and Instrumentation for the 21st Century. Technical Conference 2200, SPIE Symposium in Kona, 13–18 March 1994
- [261] Lindegren, L., Lammers, U., Hobbs, D., et al., 2012, *A&A*, 538, A78 (arXiv:1112.4139), doi:10.1051/0004-6361/201117905, ADS Link
- [262] Lindegren, L., Lammers, U., Hobbs, D., et al., 2012, *Astronomy and Astrophysics*, 538, A78, DOI: <http://dx.doi.org/10.1051/0004-6361/201117905>
- [263] ter Linden, M., de Wolf, H., Grim, R., 2005, In: 2005 International Conference on Parallel Processing Workshops (ICPPW'05), vol. icppw, 5–10, IEEE Computer Society, doi:10.1109/ICPPW.2005.37
- [264] Lock, D., 2000, *Project Phasing and Planning*, Gower, 7 edn.
- [265] López, P.P., Luri, X., Serraller, I., 2003, *Java Code Conventions*, Tech. rep., GMV/UB, GMV-GDAAS2-SCG-004
- [266] LSST Science Collaboration, 2009, ArXiv e-prints (arXiv:0912.0201), ADS Link
- [267] **[Document-11624]**, LSST Science Council, 2011, *Optimization of LSST Deployment Parameters*, Document-11624, URL <https://ls.st/Document-11624>
- [268] Luri, X., Palmer, M., Arenou, F., et al., 2014, *A&A*, 566, A119 (arXiv:1404.5861), doi:10.1051/0004-6361/201423636, ADS Link

- [269] Makarov, V.V., 1998, A&A, 340, 309, ADS Link
- [270] McDowell, J., 2004, *Toward an International Virtual Observatory: Proceedings of the ESO/ESA/NASA/NSF Conference Held at Garching, Germany, 10-14 June 2002*, ESO ASTROPHYSICS SYMPOSIA. ISBN 3-540-21001-6
- [271] **[LPM-51]**, McKercher, R., 2013, *Document Management Plan*, LPM-51, URL <https://ls.st/LPM-51>
- [272] Michalik, D., Lindegren, L., Hobbs, D., Lammers, U., Yamada, Y., 2012, In: Ballester, P., Egret, D., Lorente, N.P.F. (eds.) *Astronomical Data Analysis Software and Systems XXI*, vol. 461 of *Astronomical Society of the Pacific Conference Series*, 549 (arXiv:1201.2849), ADS Link
- [273] Michalik, D., Lindegren, L., Hobbs, D., Lammers, U., Yamada, Y., 2013, In: de Grijs, R. (ed.) *IAU Symposium*, vol. 289 of *IAU Symposium*, 414–417, doi:10.1017/S1743921312021849, ADS Link
- [274] Michalik, D., Lindegren, L., Hobbs, D., Lammers, U., 2014, A&A, 571, A85 (arXiv:1407.4025), doi:10.1051/0004-6361/201424606, ADS Link
- [275] Michalik, D., Lindegren, L., Hobbs, D., 2015, A&A, 574, A115 (arXiv:1412.8770), doi:10.1051/0004-6361/201425310, ADS Link
- [276] Michalik, D., Lindegren, L., Hobbs, D., Butkevich, A.G., 2015, A&A, 583, A68 (arXiv:1507.02963), doi:10.1051/0004-6361/201526936, ADS Link
- [277] Microsystems, S., 1999, *Code Conventions for the Java Programming Language*, Tech. rep., Sun, <http://java.sun.com/docs/codeconv>
- [278] Microsystems, S., 1999, *Java Look and Feel Design Guidelines*, Tech. rep., Sun, <http://java.sun.com/products/jlfdg/index.htm>
- [279] Microsystems, S., 2000, *How to write Doc Comments for JavaDoc*, Tech. rep., Sun, <http://java.sun.com/products/jdk/javadoc/writingdoccomments/index.html>
- [280] Mignard, F., 2000, A&A, 354, 522, ADS Link
- [281] Mignard, F., 2001, *A practical scanning law for GAIA simulations*, Tech. rep., CERGA, GAIA-FM-010

- [282] Mignard, F., 2002, In: Bienayme, O., Turon, C. (eds.) EAS Publications Series, vol. 2 of Engineering and Science, 107–121, ADS Link
- [283] Mignard, F., 2002, *Considerations on the orbit of Gaia for simulations*, Tech. rep., Observatoire de la Côte D'Azur/CERGA, GAIA-FM-011
- [284] Mignard, F., 2004, Observatoire de la Côte D'Azur/CERGA, private communication
- [285] Mignard, F., 2005, In: Turon, C., O'Flaherty, K.S., Perryman, M.A.C. (eds.) ESA SP-576: The Three-Dimensional Universe with Gaia, 5–+, ADS Link
- [286] Mignard, F., Klioner, S., 2012, A&A, 547, A59 (arXiv:1207.0025), doi:10.1051/0004-6361/201219927, ADS Link
- [287] Miller, W.W., III, Sontag, C., Rose, J.F., 2003, In: Payne, H.E., Jedrzejewski, R.I., Hook, R.N. (eds.) Astronomical Data Analysis Software and Systems XII, vol. 295 of Astronomical Society of the Pacific Conference Series, 261–+, ADS Link
- [288] Moniez, M., 2003, A&A, 412, 105 (arXiv:astro-ph/0302460), doi:10.1051/0004-6361:20031478, ADS Link
- [289] Moore, G.E., 1965, vol. 38
- [290] Mora, A., Vosteen, A., 2012, In: Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, vol. 8442 of Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series (arXiv:1207.2087), doi:10.1117/12.926313, ADS Link
- [291] Mora, A., Biermann, M., Brown, A.G.A., et al., 2014, In: Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, vol. 9143 of Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 0 (arXiv:1407.3729), doi:10.1117/12.2054602, ADS Link
- [292] Moreno, F., Molina, A., Ortiz, J.L., 1997, A&A, 327, 1253, ADS Link
- [293] Munari, U., 2000, In: Molecules in Space and in the Laboratory, Proceedings of a workshop held 2-5 June 1999 in Carloforte, Cagliari., vol. 67, 179–, I. Porceddu, and S. Aiello. Bologna, Italy: Italian Physical Society, Conference Proceedings
- [294] Munari, U., Tomasella, L., 1999, A&AS, 137, 521, ADS Link

- [295] **[LDM-156]**, Myers, J., Jones, L., Axelrod, T., 2013, *Moving Object Pipeline System Design*, LDM-156, URL <https://ls.st/LDM-156>
- [296] NASA/Science Office of Standards and Technology, 1995, *Definition of the Flexible Image Transport System (FITS)*, Tech. Rep. NOST 100-1.1, NASA/NOST
- [297] Nieto-Santisteban, M.A., Szalay, A.S., Thakar, A.R., et al., 2005, ArXiv Computer Science e-prints (arXiv:cs/0502018), ADS Link
- [298] **[LCA-227]**, Nordby, M., Kurita, N., O'Neill, F., Marsh, D., 2014, *LSST Camera Quality Implementation Plan*, LCA-227, URL <https://ls.st/LCA-227>
- [299] Nordstroem, B., Latham, D.W., Morse, J.A., et al., 1994, A&A, 287, 338, ADS Link
- [300] O'Mullane, W., Lindegren, L., 1999, Baltic Astronomy, 8, 57, ADS Link
- [301] O'Mullane, W., Lindegren, L., 1999, *An Object-Oriented Framework for GAIA Data Processing*, Tech. rep., ESA
- [302] O'Mullane, W., Luri, X., 2001, In: Brunner, R.J., Djorgovski, S.G., Szalay, A.S. (eds.) *Virtual Observatories of the Future*, vol. 225 of Astronomical Society of the Pacific Conference Series, 201, ADS Link
- [303] O'Mullane, W., Hazell, A., Bennett, K., Bartelmann, M., Vuerli, C., 2000, In: Manset, N., Veillet, C., Crabtree, D. (eds.) *Astronomical Data Analysis Software and Systems IX*, vol. 216 of Astronomical Society of the Pacific Conference Series, 419–+, ADS Link
- [304] O'Mullane, W., Banday, A.J., Górski, K.M., Kunszt, P., Szalay, A.S., 2001, In: Banday, A.J., Zaroubi, S., Bartelmann, M. (eds.) *Mining the Sky*, 638–+, doi:10.1007/10849171_84, ADS Link
- [305] O'Mullane, W., Li, N., Nieto-Santisteban, M., et al., 2005, In: *International Conference on Web Services*, Also MS technote <http://arxiv.org/pdf/cs.DC/0502072>, ADS Link
- [306] O'Mullane, W., Lammers, U., Bailer-Jones, C., et al., 2006, ArXiv Astrophysics e-prints (arXiv:astro-ph/0611885), ADS Link
- [307] O'Mullane, W., Hoar, J., Lammers, U., 2007, ArXiv e-prints, 712 (arXiv:0712.0249), ADS Link

- [308] O'Mullane, W., Hernández, J., Hoar, J., Lammers, U., 2009, In: D. A. Bohlender, D. Durand, & P. Dowler (ed.) *Astronomical Data Analysis Software and Systems XVIII*, vol. 411 of *Astronomical Society of the Pacific Conference Series*, 470, ADS Link
- [309] O'Mullane, W., Lammers, U., Hernandez, J., 2011, In: I. N. Evans, A. Accomazzi, D. J. Mink, & A. H. Rots (ed.) *Astronomical Data Analysis Software and Systems XX*, vol. 442 of *Astronomical Society of the Pacific Conference Series*, 351, ADS Link
- [310] O'Mullane, W., Lammers, U., Lindegren, L., Hernandez, J., Hobbs, D., 2011, *Experimental Astronomy*, 31, 215 (arXiv:1108.2206), doi:10.1007/s10686-011-9248-z, ADS Link
- [311] O'Mullane, W., Luri, X., Parsons, P., et al., 2011, *Experimental Astronomy*, 31, 243 (arXiv:1108.0355), doi:10.1007/s10686-011-9241-6, ADS Link
- [312] O'Mullane, W., Luri, X., Parsons, P., et al., 2011, ArXiv e-prints (arXiv:1108.0355), ADS Link
- [313] **[LDM-503]**, O'Mullane, W., Jurić, M., Economou, F., 2017, *Data Management Test, Verificaiton and Validation Plan*, LDM-503, URL <https://ls.st/LDM-503>
- [314] O'Mullane W., N.V., 2010, *Charting the Galaxy with the Gaia Satellite and InterSystems Caché*, Tech. rep., InterSystems and DPAC, http://www.intersystems.com/cache/whitepapers/charting_the_galaxy.html
- [315] Oracle, 2005, *Data Compression in 10g*, Tech. rep., Oracle Corporation, http://www.oracle.com/technology/products/bi/db/10g/pdf/twp_data_compression_10gr2_0505.pdf
- [316] Oracle, 2007, *Data Compression in 11g*, Tech. rep., Oracle Corporation, http://download.oracle.com/docs/cd/B28359_01/server.111/b28318/schema.htm#CNCPT1132
- [317] Ortiz I., D.P., Lusted J., 2008, *Astronomical Data Query Language*, Tech. rep., IVOA, REC-ADQL-2.0
- [318] **[SATMP]**, Osuna, P., 2011, *Science Archives and VO Team (SAT) Management Plan*, SAT_GEN_PL_3.0_06_MP_30_May_2011, URL http://www.rssd.esa.int/l1ink/livelink/fetch/-415780/2741092/SAT_GEN_PL_3.0_06_MP_30May2011.pdf?nodeid=3120171&vernum=-2

- [319] Otto, S., Politzer, H.D., Preskill, J., Wise, M.B., 1986, *ApJ*, 304, 62, doi:10.1086/164144, ADS Link
- [320] Perryman, A., 2010, *The Making of History's Greatest Star Map*, Astronomers' universe, Springer, URL <http://books.google.es/books?id=P-5pZ8GNuPIC>
- [321] Perryman, M., 2009, *Astronomical Applications of Astrometry: Ten Years of Exploitation of the Hipparcos Satellite Data*, Cambridge University Press
- [322] Perryman, M., de Bruijne, J., Lammers, U., 2008, *Experimental Astronomy*, 22, 143, doi:10.1007/s10686-008-9116-7, ADS Link
- [323] Perryman, M.A.C., ESA (eds.), 1997, *The HIPPARCOS and TYCHO catalogues. Astrometric and photometric star catalogues derived from the ESA HIPPARCOS Space Astrometry Mission*, vol. 1200 of ESA Special Publication, ADS Link
- [324] Perryman, M.A.C., de Boer, K.S., Gilmore, G., et al., 2001, *A&A*, 369, 339 (arXiv:astro-ph/0101235), doi:10.1051/0004-6361:20010085, ADS Link
- [325] Pickles, A.J., 1998, *PASP*, 110, 863, doi:10.1086/316197, ADS Link
- [326] Plante, R., Greene, G., Hanisch, R., et al., 2004, In: F. Ochsenbein, M. G. Allen, & D. Egret (ed.) *Astronomical Data Analysis Software and Systems (ADASS) XIII*, vol. 314 of *Astronomical Society of the Pacific Conference Series*, 585, ADS Link
- [327] Pourbaix, D., 2002, *A&A*, 385, 686 (arXiv:astro-ph/0201132), doi:10.1051/0004-6361:20020149, ADS Link
- [328] Press, W.H., Teukolsky, S.A., Vetterling, W.T., Flannery, B.P., 2002, *Numerical Recipes in C*, Cambridge University Press, 2 edn.
- [329] Prod'homme, T., Brown, A.G.A., Lindegren, L., Short, A.D.T., Brown, S.W., 2011, *MNRAS*, 414, 2215 (arXiv:1103.3630), doi:10.1111/j.1365-2966.2011.18537.x, ADS Link
- [330] Protopapas, P., Giammarco, J.M., Faccioli, L., et al., 2006, *MNRAS*, 369, 677 (arXiv:astro-ph/0505495), doi:10.1111/j.1365-2966.2006.10327.x, ADS Link
- [331] Prusti, T., 2014, In: *EAS Publications Series*, vol. 67 of *EAS Publications Series*, 15–21, doi:10.1051/eas/1567003, ADS Link
- [332] Re Fiorentin, P., Bailer-Jones, C.A.L., Lee, Y.S., et al., 2007, *Astronomy and Astrophysics*, 467, 1373 (arXiv:astro-ph/0703309), doi:10.1051/0004-6361:20077334, ADS Link

- [333] Recio-Blanco, A., Bijaoui, A., de Laverny, P., 2006, MNRAS, 370, 141
(arXiv:astro-ph/0604385), doi:10.1111/j.1365-2966.2006.10455.x, ADS Link
- [334] Richards, G.T., Nichol, R.C., Gray, A.G., et al., 2004, ApJS, 155, 257
(arXiv:astro-ph/0408505), doi:10.1086/425356, ADS Link
- [335] Rickman, H., 2001, Transactions of the International Astronomical Union Proceedings of the Twenty-Fourth General Assembly. Edited by Hans Rickman. ISBN: 1-58381-087-0. San Francisco: Astronomical Society of the Pacific, 2001., 24, ADS Link
- [336] Risquez, D., van Leeuwen, F., Brown, A.G.A., 2012, Experimental Astronomy, 34, 669, doi:10.1007/s10686-012-9310-5, ADS Link
- [337] Rixon G., G.M., 2008, *Single-Sign-On Profile: Authentication Mechanisms*, Tech. rep., IVOA, REC-SSO-1.01
- [338] Robin, A.C., Reylé, C., Derrière, S., Picaud, S., 2003, A&A, 409, 523
(arXiv:astro-ph/0401052), doi:10.1051/0004-6361:20031117, ADS Link
- [339] Robin, A.C., Luri, X., Reylé, C., et al., 2012, A&A, 543, A100 (arXiv:1202.0132), doi:10.1051/0004-6361/201118646, ADS Link
- [340] Robin, A.C., Luri, X., Reylé, C., et al., 2012, ArXiv e-prints (arXiv:1202.0132), ADS Link
- [341] Rose, J., Akella, R., Binegar, S., et al., 1995, In: Shaw, R.A., Payne, H.E., Hayes, J.J.E. (eds.) *Astronomical Data Analysis Software and Systems IV*, vol. 77 of Astronomical Society of the Pacific Conference Series, 429–+, ADS Link
- [342] Röser, S., Schilbach, E., Schwan, H., et al., 2008, A&A, 488, 401 (arXiv:0806.1009), doi:10.1051/0004-6361:200809775, ADS Link
- [343] Royce, W., 1970, In: Proceedings of IEEE WESCON, 1–9,
<http://www.cs.umd.edu/class/spring2003/cmcs838p/Process/waterfall.pdf>
- [344] Sahlmann, J., 2012, *Observing exoplanet populations with high-precision astrometry*, Ph.D. thesis, Observatoire de Genève, Université de Genève
<EMAIL>Johannes.Sahlmann@unige.ch</EMAIL>
- [345] Sarro, L.M., Eyer, L., O’Mullane, W., De Ridder, J., 2012, *Astrostatistics and Data Mining*
- [346] Schmitz, M., Baker, K., Chan, B., et al., 2011, In: Bulletin of the American Astronomical Society, vol. 43 of Bulletin of the American Astronomical Society, ADS Link

- [347] Schneider, J., 2005, In: Turon, C., O’Flaherty, K.S., Perryman, M.A.C. (eds.) ESA SP-576: The Three-Dimensional Universe with Gaia, 263–266
- [348] Seabroke, G.M., Holland, A.D., Burt, D., Robbins, M.S., 2010, Proc. SPIE, 7742, 774
- [349] Seabroke, G.M., Prod’homme, T., Murray, N.J., et al., 2013, MNRAS, 430, 3155 (arXiv:1302.1873), doi:10.1093/mnras/stt121, ADS Link
- [350] Shuster, D., Malcom, 1993, vol. 41, n.4, 439–517
- [351] Simon, J.L., 1983, A&A, 120, 197, ADS Link
- [352] Sivia, D., 1996, *Data Analysis. A Bayesian Tutorial*, OUP, 1 edn.
- [353] Skrutskie, M.F., Cutri, R.M., Stiening, R., et al., 2006, The Astronomical Journal, 131, doi:10.1086/498708, ADS Link
- [354] Smolčić, V., Ivezić, Ž., Knapp, G.R., et al., 2004, ApJ, 615, L141 (arXiv:astro-ph/0403218), doi:10.1086/426475, ADS Link
- [355] Soderhjelm, S., 2004, *Theoretical modelling of observational double-star distribution functions.*, Tech. rep., DMS-SS-05
- [356] Söderhjelm, S., 2005, In: Turon, C., O’Flaherty, K.S., Perryman, M.A.C. (eds.) ESA SP-576: The Three-Dimensional Universe with Gaia, 97–+, ADS Link
- [357] Soffel, M., Klioner, S.A., Petit, G., et al., 2003, AJ, 126, 2687 (arXiv:astro-ph/0303376), doi:10.1086/378162, ADS Link
- [358] Software, T., 2005, *TIOBE Programming Community Index*, Tech. rep., http://www.tiobe.com/index.htm?tiobe_index
- [359] for Software Standardisation, E.B., Control, 2004, *Java Coding Standards*, Tech. rep., ESA, http://www.rssd.esa.int/l1ink/livelink/Java_coding_standards.pdf?func=doc.Fetch&nodeId=504569&docTitle=Java+coding+standards&vernum=1
- [360] Sordo, R., Vallenari, A., Tantaló, R., et al., 2011, Journal of Physics Conference Series, 328, 012006, doi:10.1088/1742-6596/328/1/012006, ADS Link
- [361] Sozzetti, A., 2005, PASP, 117, 1021 (arXiv:astro-ph/0507115), doi:10.1086/444487, ADS Link

- [362] Sozzetti, A., Casertano, S., Lattanzi, M.G., Spagna, A., 2001, *A&A*, 373, L21
(arXiv:astro-ph/0104391), doi:10.1051/0004-6361:20010788, ADS Link
- [363] Spite, M., 2005, In: Turon, C., O’Flaherty, K.S., Perryman, M.A.C. (eds.) *ESA SP-576: The Three-Dimensional Universe with Gaia*, 645–+, ADS Link
- [364] Spyak, P., Wolfe, W., 1991, *Optical Engineering*, 31, 1746
- [365] Stallman, R., 2001, *GNU Coding Standards*, Tech. rep., GNU
- [366] support, D., 2006, *Linux Deployment guide*, Tech. rep.,
<http://support.dell.com/support/edocs/software/appora10/lin10g/en/dg/10g21en0.pdf>
- [367] **[LPM-55]**, Sweeney, D., McKercher, R., 2013, *Project Quality Assurance Plan*, LPM-55,
URL <https://ls.st/LPM-55>
- [368] Szalay, A.S., Gray, J., Thakar, A.R., et al., 2002, eprint arXiv:cs/0202013
(arXiv:cs/0202013), ADS Link
- [369] Szalay, A.S., Gray, J., VandenBerg, J., 2002, In: J. A. Tyson & S. Wolff (ed.) *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, vol. 4836 of *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, 333–338
(arXiv:cs/0208013), doi:10.1117/12.461427, ADS Link
- [370] Szalay, A.S., Gray, J., Fekete, G., et al., 2007, eprint arXiv:cs/0701164 (arXiv:cs/0701164),
ADS Link
- [371] Taff, L.G., Bucciarelli, B., Lattanzi, M.G., 1990, *ApJ*, 361, 667, doi:10.1086/169230, ADS
Link
- [372] Tapiador, D., O’Mullane, W., Browni, A.G.A., et al., 2014, *Computer Physics
Communications*, 185, doi:<http://dx.doi.org/10.1016/j.cpc.2014.02.010>
- [373] Taylor, M., Boch, T., Fitzpatrick, M., et al., 2011, *ArXiv e-prints* (arXiv:1110.0528), ADS
Link
- [374] team, A.G.F., 2003, *GAIA CCD and Focal Plan Technology Demonstrators: ASTRO FPA
General Design Description*, Tech. rep., EADS/Astrium,
GAIAFPA.NT.00120.T.ASTR
- [375] project team, A.S., 2002, *Gaia System Level Technical Reassessment Study*, Tech. rep.,
EADS Astrium,
EF5/FR/PC/038.02

- [376] team, E.A.G., 2005, *GAIA Definition Study*, Tech. rep., EADS/Astrium, Final Presentation, Noordwijk, June 8, 2005
- [377] Team, G.P., 2006, *Gaia Mission Implementation Requirement Document*, Tech. rep., GAIA-EST-RQ-00457
- [378] Texier, D., 2005, *Note on Science Operations Ground Segment Documentation*, Tech. rep., ESA, SOGS-TN-ESAC-DT-001
- [379] Thakar, A.R., 2008, *Computing in Science and Engineering*, 10, 9, doi:10.1109/MCSE.2008.17, ADS Link
- [380] Thakar, A.R., Szalay, A., Fekete, G., Gray, J., 2008, *Computing in Science and Engineering*, 10, 30, doi:10.1109/MCSE.2008.15, ADS Link
- [381] Tholen, D.J., 1984, Ph.D. Thesis
- [382] Turon, C., O'Flaherty, K.S., Perryman, M.A.C. (eds.), 2005, *The Three-Dimensional Universe with Gaia*, vol. 576 of ESA Special Publication, ADS Link
- [383] Turon, C., O'Flaherty, K.S., Perryman, M.A.C. (eds.), 2005
- [384] **[LSE-63]**, Tyson, T., DQA Team, Science Collaboration, 2011, *Data quality Assurance Plan: Requirements for the LSST Data Quality Assessment Framework*, LSE-63, URL <https://ls.st/LSE-63>
- [385] **[LDM-141]**, Unknown, 2013, *Data Management Storage Sizing and I/O Model*, LDM-141, URL <https://ls.st/LDM-141>
- [386] **[LDM-144]**, Unknown, 2016, *Site Specific Infrastructure Estimation Model*, LDM-144, URL <https://ls.st/LDM-144>
- [387] **[LDM-130]**, Unknown, 2017, *LSST Science User Interface and Tools Requirements*, LDM-130, URL <https://ls.st/LDM-130>
- [388] Vagg, D., O'Callaghan, D., O'Hógáin, F., et al., 2016, In: Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, vol. 9913 of SPIE, 99131V (arXiv:1605.09287), doi:10.1117/12.2233619, ADS Link
- [389] **[Gaia-NT-32000-115-CNES]**, Valadier, J.C., 2008, *Etude de risque EBIOS du système CNES-DPC (Limited distribution)*, Gaia-NT-32000-115-CNES

- [390] Valentijn, E.A., McFarland, J.P., Snigula, J., et al., 2007, In: R. A. Shaw, F. Hill, & D. J. Bell (ed.) *Astronomical Data Analysis Software and Systems XVI*, vol. 376 of *Astronomical Society of the Pacific Conference Series*, 491 (arXiv:astro-ph/0702189), ADS Link
- [391] **[LDM-131]**, van Dyk, S., Levine, D., 2013, *Science User Interface and Science User Tools Conceptual Design*, LDM-131, URL <https://ls.st/LDM-131>
- [392] van Leeuwen, F., 1997, *Space Science Reviews*, 81, 201, ADS Link
- [393] van Leeuwen, F., 2005, *A&A*, 439, 805 (arXiv:astro-ph/0505431), doi:10.1051/0004-6361:20053192, ADS Link
- [394] van Leeuwen, F., Fantino, E., 2005, *A&A*, 439, 791 (arXiv:astro-ph/0505432), doi:10.1051/0004-6361:20053193, ADS Link
- [395] Vande Putte, D., Smith, R.C., Hawkins, N.A., Martin, J.S., 2003, *MNRAS*, 342, 151 (arXiv:astro-ph/0302507), doi:10.1046/j.1365-8711.2003.06524.x, ADS Link
- [396] Vecchiato, A., Lattanzi, M.G., Bucciarelli, B., et al., 2003, *A&A*, 399, 337 (arXiv:astro-ph/0301323), doi:10.1051/0004-6361:20021785, ADS Link
- [397] Veron-Cetty, M., Veron, P., 2010, *Astronomy and Astrophysics*, 518, doi:10.1051/0004-6361/201014188, ADS Link
- [398] Vlemmings, W.H.T., Chatterjee, S., Briskeen, W.F., et al., 2005, *Memorie della Societa Astronomica Italiana*, 76, 531 (arXiv:astro-ph/0509025), ADS Link
- [399] van der Vorst, H., 2003, *Iterative Krylov Methods for Large Linear Systems*, Cambridge University Press
- [400] Vosteen, L.L.A., Draaisma, F., van Werkhoven, W.P., et al., 2009, In: *Astronomical and Space Optical Systems*, vol. 7439 of *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, 743914, doi:10.1117/12.825240, ADS Link
- [401] Vosteen, L.L.A., Draaisma, F., van Werkhoven, W.P., et al., 2009, In: *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, vol. 7439 of *Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series*, doi:10.1117/12.825240, ADS Link
- [402] Vuerli, C., O'Mullane, W., 2000, *DBMS-COTS test week report*, Tech. rep., ESA, PL-COM-OAT-TN-009

- [403] Vuillermet, M., Billon-Lanfrey, D., Reibel, Y., et al., 2012, Proc. SPIE 8353, Infrared Technology and Applications XXXVIII, 38, 83532, doi:10.1117/12.921868
- [404] Wang, D.L., Monkewitz, S.M., Lim, K.T., Becla, J., 2011, In: State of the Practice Reports, SC '11, 12:1–12:11, ACM, New York, NY, USA, URL <http://dx.doi.org/10.1145/2063348.2063364>, doi:10.1145/2063348.2063364
- [405] Warell, J., Lagerkvist, C.I., 2006, A&A, submitted
- [406] Wertz(Editor), J.R., 1978, *Spacecraft Attitude Determination and Control*, Kluwer Academic Publishers, 1 edn.
- [407] Wieprecht, E., Brumfit, J., Bakker, J., et al., 2004, In: Ochsenbein, F., Allen, M.G., Egret, D. (eds.) *Astronomical Data Analysis Software and Systems (ADASS) XIII*, vol. 314 of *Astronomical Society of the Pacific Conference Series*, 376–+, ADS Link
- [408] Wilkinson, M.I., 2005, In: Turon, C., O’Flaherty, K.S., Perryman, M.A.C. (eds.) *ESA SP-576: The Three-Dimensional Universe with Gaia*, 651–+, ADS Link
- [409] Wilkinson, M.I., Evans, N.W., 1999, MNRAS, 310, 645 (arXiv:astro-ph/9906197), ADS Link
- [410] Wilkinson, M.I., Vallenari, A., Turon, C., et al., 2005, MNRAS, 359, 1306 (arXiv:astro-ph/0506083), doi:10.1111/j.1365-2966.2005.09012.x, ADS Link
- [411] Will, C., 1993, *Theory and experiment in gravitational physics*, Cambridge University Press, 2 edn.
- [412] Windmark, F., Lindegren, L., Hobbs, D., 2011, A&A, 530, A76 (arXiv:1104.2348), doi:10.1051/0004-6361/201116929, ADS Link
- [413] **[LPM-73]**, Wolff, S., 2013, *Operations Plan*, LPM-73, URL <https://ls.st/LPM-73>
- [414] Wood-Vasey, W.M., Rest, A., Smartt, S., et al., 2010, In: *Bulletin of the American Astronomical Society*, vol. 42 of *Bulletin of the American Astronomical Society*, ADS Link
- [415] Wyrzykowski, L., Hodgkin, S., Blogorodnova, N., Kopusov, S., Burgon, R., 2012, ArXiv e-prints (arXiv:1210.5007), ADS Link
- [416] Yamada, Y., Hara, T., Yoshioka, S., et al., 2012, In: Ballester, P., Egret, D., Lorente, N.P.F. (eds.) *Astronomical Data Analysis Software and Systems XXI*, vol. 461 of *Astronomical Society of the Pacific Conference Series*, 585, ADS Link

- [417] Yasuda, N., Mizumoto, Y., Ohishi, M., et al., 2004, In: F. Ochsenbein, M. G. Allen, & D. Egret (ed.) *Astronomical Data Analysis Software and Systems (ADASS) XIII*, vol. 314 of *Astronomical Society of the Pacific Conference Series*, 293, ADS Link
- [418] **[Document-15125]**, Yoachim, P., Jones, L., Ivezić, Ž., Axelrod, T., 2013, *Photometric Self Calibration Design and Prototype*, Document-15125, URL <https://ls.st/Document-15125>
- [419] Zellner, B., Tholen, D.J., Tedesco, E.F., 1985, *Icarus*, 61, 355, doi:10.1016/0019-1035(85)90133-2, ADS Link
- [420] Zucher, S., Mazech, T., 1994, 420 806
- [421] Zucher, S., Mazech, T., Santos, N., Udry, S., Mayor, M., 2004, 420 806