Bibliography

Ahmad, I. A. and Withbroe, G. L., 1977, *EUV analysis of polar plumes*, Sol. Phys., 53, 397.

Ahmad, I. A. and Webb, D. F., 1978, *X-ray analysis of a polar plume*, Sol. Phys., 58, 323.

Almleaky, Y. M., Brown, J.C., Sweet, P.A., 1989, *Density diagnostics and inhomogeneous plasmas. I - Isothermal plasmas*, Astron. Astrophys., 224, 328.

Andretta, V., Jones, H. P., 1997, *On the Role of the Solar Corona and Transition Region in the Excitation of the Spectrum of Neutral Helium*, Astrophys. J., 489, 375.

Arnaud, M. and Rothenflug, R., 1985, *An updated evaluation of recombination and ionization rates*, Astron. Astrophys. Suppl. Ser., 60, 425.

Arnaud, M. and Raymond, J., 1992, *Iron ionization and recombination rates and ionization equilibrium*, Astrophys. J., 398, 394.

Athay, R. G., 1976, *The solar chromosphere and corona: quiet Sun*, Reidel.

Athay, R. G., 1982, *Responses of transition region models to magnetic field geometry and downflow velocities*, Astrophys. J., 263, 982.

Athay, R. G. and Dere, K. P., 1991, *Chromospheric and transition region diagnostics using emission-line intensities*, Astrophys. J., 379, 776.

Bartoe J. D. F., Brueckner, G. E., Purcell, J. D., and Tousey, R., 1977, *Appl. Optics*, 16, 879.

Behring, W. E., Cohen, L., and Feldman, U. , 1972, *The solar spectrum: wavelengths and identifications from 60 to 385 Å*, Astrophys. J., 175, 493.

Behring, W. E., Cohen, L., Feldman, U., Doschek, G.A., 1976, *The solar spectrum - Wavelengths and identifications from 160 to 770 Å*, Astrophys. J., 203, 521.

Bocchialini, K. and Vial, J.C., 1996, *High-Chromosphere and Low-Transition-Region Network: a Different Organization in an Equatorial Coronal Hole?*, Solar Physics, 168, 37.

Breeveld, E. R., Culhane, J. L., Norman, K., Parkinson, J. H. and Gabriel, A. H., 1988, *CHASE observations of the solar corona*, Astrophys. J. Letters, 27, 155.

Breeveld, A. A., Edgar, M. L., Smith, A., Lappington, J. S., Thomas, P.D., 1992, Rev.Sci.Instr., 63, 1.

Breeveld A. A., 1996, *Ultraviolet Detectors for Solar Observations on the SOHO Spacecraft*, University of London Ph.D. Thesis.

Brekke, P., 1993, *Observed redshifts in O V and downflows in the solar transition region*, Astrophys. J., 408, 735.

Brekke P., Thompson W. T., Woods T. N., Eparvier F. G., 1998, *The EUV solar irradiance spectrum observed with the Coronal Diagnostic Spectrometer (CDS) on SOHO*, Astrophys. J., to be submitted.

Brickhouse, N. S., Raymond, J. C. and Smith, B. W., 1995, *New model of iron spectra in the extreme ultraviolet and application to SERTS and EUV observations: A solar active region and capella*, Astrophys. J. Suppl. Ser., 97, 551.

Bromage, B. J. I., Breeveld, A. A., Kent, B. J., Pike, C. D. and Harrison, R. A., 1996, *UCLan Report CFA/96/09.*

Bromage, B. J. I., Del Zanna, G., DeForest, C., Thompson, B., and Clegg, J. R., 1997, *An equatorial coronal hole at solar minimum*, Proc. of the Fifth SOHO Workshop, ESA SP-404, 319.

Bromage B. J. I., Del Zanna G., Fludra A., DeForest C. E., and Thompson B., 1997, *The Structure and Evolution of Solar Coronal Holes Observed by SOHO During August and September 1996*, ESA-SP 415, 307.

Bromage B. J. I., Clegg J. R., Del Zanna G., and Thompson B., 1999, *Tales of an Elephant's Trunk*, ASP Conf. Ser. 158, 370.

Brosius, J. W., Davila, J. M., Thomas, R. J., Monsignori-Fossi, B. C., 1996, *Measuring active and quiet-sun coronal plasma properties with extreme-ultraviolet spectra from SERTS*, Astrophys. J. Suppl. Ser., 106, 143.

Brosius, J. W., Davila, J. M. and Thomas, R. J., 1998a, *Calibration of the SERTS-95 Spectrograph from Iron Line Intensity Ratios*, Astrophys. J. Letters, 497, L113.

Brosius, J. W., Davila, J. M. and Thomas, R. J., 1998b, *Solar active regions and quiet-sun extreme-ultraviolet spectra form SERTS-95*, Astrophys. J. Suppl. Ser., 119, 255.

Brueckner, G. E. and Bartoe, J. -D. F., 1983, *Observations of high-energy jets in the corona above the quiet sun, the heating of the corona, and the acceleration of the solar wind*, Astrophys. J., 272, 329.

Bruner, E. C. , Jr. and MCWhirter, R. W. P., 1979, *The observation and interpretation of the profile of C IV lambda-1548 emitted from a quiet region of the sun*, Astrophys. J., 231, 557.

Chae, J., Yun, H. S. and Poland, A. I., 1997, *Effects of Non-LTE Radiative Loss and Partial Ionization on the Structure of the Transition Region*, Astrophys. J., 480, 817.

Cook, J. W. and Nicolas, K. R., 1979, *Solar C III line intensity ratios observed from Skylab*, Astrophys. J., 229, 1163.

Cook, J. W., Keenan, F. P., Dufton, P. L., Kingston, A. E., Pradhan, A. K., Zhang, H. L., Doyle, J. G. and Hayes, M. A., 1995, *The O IV and S IV intercombination lines in solar and stellar ultraviolet spectra*, Astrophys. J., 444, 936.

Craig, I. J. D. and Brown, J. C., 1976, *Fundamental limitations of X-ray spectra as diagnostics of plasma temperature structure*, Astron. Astrophys., 49, 239.

David, C., Gabriel, A. H., and F. Bely-Dubau, 1997, *Measurement of above-limb coronal intensities*, Proc. of the Fifth SOHO WORKSHOP, ESA SP-404, 313.

David, C., Gabriel, A. H., Bely-Dubau, F., Fludra, A., Lemaire, P., and Wilhelm, K., 1998, *Measurement of the electron temperature gradient in a solar coronal hole*, Astron. Astrophys., 336, L90–L94.

Deforest, C. E., Bromage B.J.I., Del Zanna, G., Hassler, D. M., and Thompson, B. J., 1997, *Coordinated Observation of a Low-Latitude Coronal Hole*, Spring Meeting of the American Geophysical Union May 27-30, 1997, Baltimore, Maryland.

Deforest, C. E., Hoeksema, J. T., Gurman, J. B., Thompson, B. J., Plunkett, S. P., Howard, R., Harrison, R. C. and Hassler, D. M., 1997, *Polar Plume Anatomy: Results of a Coordinated Observation*, Sol. Phys., 175, 393.

Deforest, and C. E., Gurman, J. B., 1998, *Observation of Quasi-periodic Compressive Waves in Solar Polar Plumes*, Astrophys. J. Letters, 501, L217.

Del Zanna G., Landini M., Landi E. and Monsignori Fossi B.C., 1996, *Comparison of temperature and density diagnostics in the coronae of α Centauri and the sun*, ASP Conf. Ser. 109: Ninth Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun, 9, 259.

Del Zanna, G., Bromage, B. J. I., Dere, K. P., Pike, C. D., 1997, SOHO-CDS software note No. 50.

Del Zanna, G., and Bromage, B. J. I., 1997, *Spectroscopic diagnostics applied to the August 1996 equatorial coronal hole*, Proc. of the Fifth SOHO workshop, ESA SP-404, 319.

Del Zanna, G. and Bromage, B.J.I., 1999a, *The Elephant's Trunk: Spectroscopic diagnostics applied to SOHO/CDS observations of the August 1996 equatorial coronal hole*, J. Geophys. Res., 104, 9753.

Del Zanna G., and Bromage, B.J.I., 1999b, *Characterisation of solar coronal holes and plumes using spectroscopic diagnostic techniques applied to SOHO/CDS observations*, Space Sci. Rev., in press.

Del Zanna, G., and Bromage, B. J. I., 1999c, *Transition region densities and abundances as derived from SOHO/CDS observations*, Proc. of the 8th SOHO workshop, Paris.

Del Zanna, L., Hood, A. W., and Longbottom, A. W., 1997, *An MHD model for solar coronal plumes*, Astron. Astrophys., 318, 963.

Delaboudiniere, J. -P., Artzner, G. E., Brunaud, J., Gabriel, A. H., Hochedez, J. F., Millier, F., Song, X. Y., Au, B., Dere, K. P., Howard, R. A., Kreplin, R., Michels, D. J., Moses, J. D., Defise, J. M., Jamar, C., Rochus, P., Chauvineau, J. P., Marioge, J. P., Catura, R. C., Lemen, J. R., Shing, L., Stern, R. A., Gurman, J. B., Neupert, W. M., Maucherat, A., Clette, F., Cugnon, P., and Van Dessel, E. L., 1995, *EIT: Extreme-Ultraviolet Imaging Telescope for the SOHO Mission*, Sol. Phys., 162, 291.

Dere, K. P., 1978, *Spectral lines observed in solar flares between 171 and 630 angstroms*, Astrophys. J., 221, 1062.

Dere, K. P., 1978b, *Errors in Differential Emission Measure Solutions*, Astron. Astrophys., 70, 439.

Dere, K. P., 1982, *Extreme ultraviolet spectra of solar active regions and their analysis*, Sol. Phys., 77, 93.

Dere, K. P., Bartoe, J.-D. F., and Brueckner, G. E., 1982, *Solar transition zone pressures from EUV observations of O IV and N IV*, Astrophys. J., 259, 366.

Dere, K. P., Bartoe, J.-D., Brueckner, G. E., Cook,J. W . and Socker,D. G., 1987, *Subresolution structures in the solar transition zone*, Sol. Phys., 114, 223.

Dere, K. P., Bartoe, J.-D., Brueckner, G.E. and Recely, F., 1989, *Transition zone flows observed in a coronal hole on the solar disk*, Astrophys. J., 345, L95.

Dere, K. P. and Mason, H. E., 1993, *Nonthermal velocities in the solar transition zone observed with the high-resolution telescope and spectrograph*, Sol. Phys., 144, 217.

Dere, K. P., Landi, E., Mason, H. E., Monsignori Fossi, B. C. and Young, P. R., 1997, *CHIANTI: an Atomic Database for Emission Lines*, Astron. Astrophys. Suppl. Ser., 125, 149.

Doschek, G. A. Feldman, U., Bhatia, A. K., Mason, H. E., 1978, *Densities in the quiet sun and polar coronal holes from EUV line ratios involving O III 1666.15 Å*, Astrophys. J., 226, 1129.

Doschek, G. A., Mariska, J. T. and Feldman, 1981, *Mass motions in optically thin solar transition zone lines*, Mon. Not. R. Astron. Soc., 195, 107.

Doschek, G. A., 1984, *The effects of a multidensity plasma on ultraviolet spectroscopic electron density diagnostics*, Astrophys. J., 279, 446.

Doschek, G. A., 1997, *Emission measures and electron densities for the solar transition region*, Astrophys. J., 476, 903.

Doschek, G. A., Warren, H. P., Laming, J. M., Mariska, J. T., Wilhelm, K., Lemaire, P., Schuehle, U., Moran, T. G., 1997b, *Electron densities in the solar polar coronal holes from density sensitive line ratios of Si VIII and Si X*, Astrophys. J. Letters, 482, L109.

Doschek, G. A., Feldman, U., Laming, J. M., Warren, H. P., Schuehle, U. and Wilhelm, K., 1998a, *The Electron Pressure in the Solar Lower Transition Region Determined from O V and Si III Density-sensitive Line Ratios*, Astrophys. J., 507, 991.

Doschek, G. A., Laming, J. M., Feldman, U., Wilhelm, K., Lemaire, P., Schuehle, U. and Hassler, D. M., 1998b, *The Si/Ne Abundance Ratio in Polar Coronal Hole and Quiet-Sun Coronal Regions*, Astrophys. J., 504, 573.

Dowdy, J. F. , Jr., Moore, R. L., and Emslie, A. G., 1987, *On the inability of magnetically constricted transition regions to account for the 10^5 to 10^6 K plasma in the quiet solar atmosphere*, Sol. Phys., 112, 255.

Dupree, A. K., 1972, *Analysis of the extreme-ultraviolet quiet solar spectrum*, Astrophys. J., 178, 527.

Dupree, A. K., Foukal, P. V. and Jordan, C., 1976, *Plasma diagnostic techniques in the ultraviolet - The C III density-sensitive lines in the sun*, Astrophys. J., 209, 621.

Dwivedi, B. N. and Raju, P. K., 1980, *Density dependence of solar emission lines of boron-like ions*, Sol. Phys., 68, 111.

Dwivedi, B. N. and Mohan, A., 1995a, *On the electron density in a coronal hole*, Sol. Phys., 156, 197.

Dwivedi, B. N. and Mohan, A., 1995b, *Theoretical Ne VI/Mg VI line diagnostics for SUMER*, Sol. Phys., 157, 135.

Dwivedi, B. N. and Mohan, A., 1995c, *Line diagnostics for Ne V and Mg V solar ions*, Sol. Phys., 158, 237.

Dwivedi, B. , Mohan, A. and Thomas, R., 1998, *Spectral Diagnostics of an Active Region Observed by the Solar EUV Rocket Telescope and Spectrograph (SERTS)*, Sol. Phys., 180, 157.

Esser, R., Brickhouse, N. S., Habbal, S. R., Altrock, R. C. and Hudson, H. C., 1995, *Using Fe X 6374 and Fe XIV 5303 Spectral Line Intensities to Study the Effect of the Line of Sight on Coronal Hole Temperature Inferences.*, J. Geophys. Res., 100, 19829.

Falconer, D. A., Davila, J. M. and Thomas, R. J., 1997, *Relative Elemental Abundances of the Quiet Solar Corona as Determined by SERTS*, ApJ, 482, 1050.

Feldman, U., Doschek, G. A., Mariska, J. T., 1979, *On the structure of the solar transition zone and lower corona*, Astrophys. J., 229, 369.

Feldman, U., 1987, *Atlas of extreme ultraviolet spectroheliograms from 170 to 625 Å, Volume 1 and 2*, Washington DC, Naval Research Laboratory, E.O. Hulburt Center, USA, edited by Feldman, Uri.

Feldman, U. and Widing, K. G., 1990, *Photospheric abundances of oxygen, neon, and argon derived from the XUV spectrum of an impulsive flare*, Astrophys. J., 363, 292.

Feldman, U., 1992a, *Elemental abundances in the upper solar atmosphere*, Phys. Scripta, 46, 202.

Feldman, U., Mandelbaum, P., Seely, J. F., Doschek, G.A., Gursky, H., 1992b, *The potential for plasma diagnostics from stellar extreme-ultraviolet observations*, Astrophys. J. Suppl. Ser., 81, 387.

Feldman, U. and Widing, K. G., 1993, *Elemental abundances in the upper solar atmosphere of quiet and coronal hole regions ($T_e \simeq 4.3$ x 10^5 K)*, Astrophys. J., 413, 381.

Feldman, U. and Laming, J. M., 1994, *On the absence of a relationship between the properties of the $T_e \geq 10^6$ K and the properties of the $T_e \leq 10^5$ solar plasmas*, Astrophys. J., 434, 370.

Feldman, U., Schuhle, U., Widing, K. G. and Laming, J. M., 1998, *Coronal Composition above the Solar Equator and the North Pole as Determined from Spectra Acquired by the SUMER Instrument on SOHO*, Astrophys. J., 505, 999.

Firth, J. G., Freeman, F. F., Gabriel, A. H., Jones, B. B., Jordan, C., Negus, C. R., Shenton, D. B., Turner, R. F., 1974, *Observations of the solar spectrum in the region 150 Åto 870 Åemitted from the disk and above the limb*, Mon. Not. R. Astron. Soc., 166, 543.

Fisher, R. and Guhathakurta, M. , 1995, *Physical Properties of Polar Coronal Rays and Holes as Observed with the SPARTAN 201-01 Coronagraph*, Astrophys. J. Letters, 447, L139.

Fludra, A., Schmelz, J.T., 1995, *Absolute abundances of flaring coronal plasma derived from SMM spectral observations*, Astrophys. J., 447, 936.

Fludra, A., Del Zanna,G., Bromage B.J.I., Thomas,R.J., 1997a, *EUV line intensities above the limb measured by CDS*, Proc. of the Fifth SOHO workshop, ESA SP-404, 385.

Fludra, A., Del Zanna, G., Bromage B. J. I., 1997b, *Observations of the Quiet Sun Corona and Coronal Holes with the Coronal Diagnostic Spectrometer on SOHO*, AAS/Solar Physics Division Meeting, 29, 0109, June 27 -July 1, 1997 MSU-Bozeman.

Fludra, A., Del Zanna, G., Alexander,D., Bromage B. J. I., 1999a, *Electron density and temperature of the lower solar corona*, J. Geophys. Res., 104, 9709.

Fludra, A., Del Zanna, G., Bromage B. J. I., 1999b,

, Space Sci. Rev., in press, EUV observations above polar coronal holes.

Foster, V. J., Keenan, F. P., Reid, R. H. G., Doyle, J. G., Zhang, H. L., Pradhan, A. K. and Widing, K. G., 1997, *Mg VIII diagnostic line ratios in skylab solar observations*, Sol. Phys., 170, 217.

Gabriel, A. H., 1976, *A magnetic model of the solar transition region*, Royal Society of London Philosophical Transactions Series, 281, 339.

Gallagher, P. T., Phillips, K. J. H., Harra-Murnion, L. K., and Keenan, F. P., 1998, *Properties of the quiet Sun EUV network*, Astron. Astrophys., 335, 733.

Galvin, A. B., Ipavich, F. M., Gloeckler, G., Hovestadt, D., Klecker, B. and Scholer, M., 1984, *Solar wind ionization temperatures inferred from the charge state composition of diffuse particle events*, J. Geophys. Res., 89, 2655.

Geiss, J., Gloeckler, G. and Von Steiger, R., 1995, *Origin of the Solar Wind From Composition Data*, Space Sci. Rev., 72, 49.

Gibson, S.E., Fludra, A., Bagenal, F., Biesecker, D., Del Zanna, G., Bromage, B. J. I., 1999, *Solar minimum streamer densities and temperatures using Whole Sun Month coordinated data-sets*, J. Geophys. Res., 104, 9691.

Golub, L., Nystrom, G., Herant, M., Kalata, K. and Lovas, I., 1990, *Sub-arcsecond observations of the solar X-ray corona*, Nature, 344, 842.

Golub, L. and Pasachoff, J. M., 1997, *The Solar Corona*, Cambridge University Press.

Gopalswamy, N. , Schmahl, E. J. and Kundu, M. R., 1992, *Observations of stationary radio sources: Coronal polar plumes ?*, Proc. of the First SOHO Workshop, ESA SEE N93-31343, 113.

Gopalswamy, N., Deforest, C., Bromage, B., Del Zanna, G. and Shibasaki, K., 1998, *Multiwavelength Observations of a Low-Latitude Coronal Hole*, ASP Conf. Ser. 140, Synoptic Solar Physics, E33.

Grevesse, N. and Anders, E., 1989, in *Cosmic abundances of Matter* ed. C.J. Waddington (New York: AIP), 1.

Grevesse, N., and Anders, E., 1991, *Solar element abundances*, in Solar Interior and Atmosphere, ed. A. N. Cox, W. C. Livingston, & M. S. Matthews, (Tucson: Univ. Arizona Press), 1227.

Grevesse, N., and Sauval, A. J., 1998, *Standard Solar Composition*, Space Sci. Rev., 85, 174.

Grevesse, N. and Sauval, A. J., 1999, *The solar abundance of iron and the photospheric model*, Astron. Astrophys., 347, 354.

Guhathakurta, M., Rottman, G. J., Fisher, R. R., Orral, R. Q. and R. C. Altrock, 1992, *Coronal density and temperature structure from coordinated observations associated with the toal solar eclipse of 1988 March 18*, Astrophys. J., 388, 633.

Guhathakurta, M., Fisher, R. R. and Altrock, R. C., 1993, *Large-scale coronal temperature and density distributions, 1984-1992*, Astrophys. J. Letters, 414, L145.

Guhathakurta, M. and Holzer, T. E., 1994, *Density structure inside a polar coronal hole*, Astrophys. J., 426, 782.

Guhathakurta, M. and Fisher, R., 1995, *Physical Properties of the Polar Corona as Observed with the SPARTAN 201 Coronagraph, 8 - 10 September, 1995*, American Astronomical Society Meeting, 187, 12207.

Guhathakurta, M. , Fisher, R. and Strong, K. , 1996, *Temperature Structure of the High-Latitude Corona*, Astrophys. J. Letters, 471, L69.

Guhathakurta, M. and Fisher, R. , 1998, *Solar Wind Consequences of a Coronal Hole Density Profile: Spartan 201-03 Coronagraph and Ulysses Observations from 1.15 R sub sun to 4 AU*, Astrophys. J. Letters, 499, L215.

Habbal, S. R., Esser, and M. B. Arndt, 1993, *How reliable are coronal hole temperatures deduced from observations ?*, Astrophys. J., 413, 435.

Habbal, S. R., Esser, R., Guhathakurta, M. and Fisher, R. R., 1995, *Flow Properties of the Solar Wind Derived from a Two-Fluid Model with Constraints from White Light and in situ Interplanetary Observations*, Geophys. Res. Lett., 22, 1465.

Hansen, E., Schaffner, S. (eds.): 1977, Proceedings of the November 7-10, 1977 OSO-8 Workshop, Univ. of Colorado.

Hara, H., Tsuneta, S., Acton, L.W., Bruner, M.E., Lemen, J.R. and Ogawara, Y., 1994, *Temperatures of coronal holes observed with the YOHKOH SXT*, Publ. Astr. Soc. Japan, 46, 493.

Hara, H., 1997, *A high-temperature component in coronal holes as confirmed by a partial-eclipse observation*, Publ. Astr. Soc. Japan, 49, 413.

Harrison, R.A. and Thompson, A.M. (eds.), 1992, *Intensity integral inversion techniques: a study in preparation for the SOHO mission*, RAL-91-092, Rutherford Appleton Laboratory.

Harrison, R.A., and 38 co-authors, 1995, *The Coronal Diagnostic Spectrometer for the Solar and Heliospheric Observatory*, Sol. Phys., 162, 233.

Hassler, D. M., Rottman, G. J. and Orrall, F. Q., 1991, *Systematic radial flows in the chromosphere, transition region, and corona of the quiet sun*, Astrophys. J., 372, 710.

Hassler, D. M. and Moran, T. G., 1994, *Broadening of Fe X (6374Å) profiles above the limb in a coronal hole*, Space Sci. Rev., 70, 373.

Hassler, D. M., Wilhelm, K., Lemaire, P. and Schuehle, U, 1997, *Observations of Polar Plumes with the Sumer Instrument on Soho*, Sol. Phys., 175, 375.

Hassler, D. M., Dammasch, I. E., Lemaire, P., Brekke, P., Curdt, W., Mason, H. E., Vial, J. -C., and Wilhelm, K. , 1999, *Solar Wind Outflow and the Chromospheric Magnetic Network*, Science, 283, 810.

Haugan, S. V. H., 1997, CDS software note No. 47

Haugan, S. V. H., 1999, *Anomalous Line Shifts From Local Intensity Gradients on the Soho/cds nis Detector*, Sol. Phys., 185, 275.

Hubeny, V. and Judge, P. G., 1995, *Solution to the Bivariate Integral Inversion Problem: The Determination of Emission Measures Differential in Temperature and Density*, Astrophys. J. Letters, 448, L61.

Huber, M. C. E., Foukal, P. V., Noyes, R. W., Reeves, E. M., Schmahl, E. J., Timothy, J. G., Vernazza, J. E. and Withbroe, G. L., 1974, *Extreme-ultraviolet observations of coronal holes - Initial results from Skylab*, Astrophys. J., 194, L115–L118.

Insley, J. E., Moore, V. and Harrison, R. A., 1995, *The differential rotation of the corona as indicated by coronal holes*, Sol. Phys., 160, 1.

Insley,J.E., Moore,V., Harrison,R.A., 1997, *First observations of coronal hole structure and evolution using SOHO-CDS*, Sol. Phys., 175, 437.

Ipavich, F. M., Galvin, A. B., Gloeckler, G., Dovestadt, D. and Klecker, B., 1986, *Solar wind Fe and CNO measurements in high-speed flows*, J. Geophys. Res., 91, 4133.

Jakimiec, J., Sylwester, J., Lemen J.R., Mewe, R., Bentley R. B., Fludra, A., Schrijver, J., and Sylwester, B, 1984, *Differential emission measure analysis of hot-flare plasma from Solar-Maximum Mission X-ray data*, Adv. Space Res., 4, 203.

Jordan, C., 1970, *Ionization equilibria for high ions of Fe and Ni*, Mon. Not. R. Astron. Soc., 148, 17.

Jordan, C. & Wilson, R. 1971. In: *Physics of the Solar Corona*, (ed. C. J. Macris), p. 199, Reidel, Dordrecht.

Jordan, C., 1975, *The intensities of helium lines in the solar EUV spectrum*, Mon. Not. R. Astron. Soc., 170, 429.

Jordan, C. and Ayres, T. R. and Brown, A. and Linsky, J. L. and Simon, T., 1987, *The chromospheres and coronae of five G-K main-sequence stars*, Mon. Not. R. Astron. Soc., 225, 903.

Judge, P. G., Woods, T. N., Brekke, P. and Rottman, G. J., 1995, *On the Failure of Standard Emission Measure Analysis for Solar Extreme-Ultraviolet and Ultraviolet Irradiance Spectra*, Astrophys. J. Letters, 455, L85.

Jupen, C., Isler, R. C. and Trabert, E., 1993, *Solar identifications of fex-fexivl based on comparison with beam-foil tokamak and laser-produced plasma spectra*, Mon. Not. R. Astron. Soc., 264, 627.

Kahler, S. W. and Moses, D., 1990, *Discrete changes in solar coronal hole boundaries*, Astrophys. J., 362, 728.

Kastner, S. O., Rothe, E. D. and Neupert, W. M., 1974, *Limb-brightening observations from the OSO-7 satellite. I - Electron density and temperature of the non-equatorial corona from EUV lines of Fe XIV and other Fe ions*, Astron. Astrophys., 37, 339.

Kastner, S. O., Rothe, E. D. and Neupert, W. M., 1976, *Limb-brightening observations from the OSO-7 satellite. II - Comparison of Abel-inverted intensities of Fe XIV and Fe XIII EUV emission lines with predictions*, Astron. Astrophys., 53, 203.

Keenan, F. P., Warren, G. A., Doyle, J. G., Berrington, K. A. and Kingston, A. E., 1994, *Theoretical emission line strengths for O V compared to EUV solar observations*, Sol. Phys., 150, 61.

Keenan, F. P., Brekke, P., Byrne, P. B. and Greer, C. J., 1995, *The O V 1371.29 Å / 1218.35 Å emission line ratio in solar and stellar spectra*, Mon. Not. R. Astron. Soc., 276, 915.

Keenan, F. P., 1996, *Spectroscopic Diagnostics Applicable to the UV and EUV Spectra of Astrophysical Sources*, Space Sci. Rev., 75, 537.

Ko, Y. -K., Fisk, L. A., Geiss, J., Gloeckler, G., and Guhathakurta, M. , 1997, *An empirical study of the electron temperature and heavy ion velocities in the south polar coronal hole*, Sol. Phys., 171, 345.

Kohl, J. L., Weiser, H., Withbroe, G. L., Noyes, R. W., Parkinson, W. H., Reeves, E. M., Munro, R. H. and Macqueen, R. M., 1980, *Measurements of coronal kinetic temperatures from 1.5 to 3 solar radii*, Astrophys. J. Letters, 241, L117.

Kohl, J. L., Gardner, L. D., Strachan, L. and Hassler, D. M., 1994, *Ultraviolet spectroscopy of the extended solar corona during the SPARTAN 201 mission*, Space Sci. Rev., 70, 253.

Kohl, J. L., Noci, G., Antonucci, E., Tondello, G., Huber, M. C. E., Gardner, L. D., Nicolosi, P., Fineschi, S.,Raymond, J. C., Romoli, M., Spadaro, D., Siegmund, O. H. W., Benna, C., Ciaravella, A., Cranmer, S.R., Giordano, S., Karovska, M., Martin, R. Michels, J., Modigliani, A.,Naletto, G.,Panasyuk, A., Pernechele, C., Poletto, G., Smith, P. L., and Strachan, L., 1997, *Measurements of H I and O VI velocity distributions in the extended solar corona with UVCS/SOHO and UVCS/Spartan 201*, Adv. Space Res., 20, 3.

Krieger, A.S., Timothy, A.F., and Roelof, E.C., 1973, Sol. Phys., 29, 505.

Laming, J.M., Drake, J.J., Widing, K.G., 1995, *Stellar coronal abundances. 3: The solar first ionization potential effect determined from full-disk observation*, Astrophys. J., 443, 416.

Laming, J. M., Feldman, U., Schuehle, U., Lemaire, P., Curdt, W. and Wilhelm, K., 1997a, *Electron Density Diagnostics for the Solar Upper Atmosphere from Spectra Obtained by SUMER/SOHO*, Astrophys. J., 485, 911.

Laming, J. M., Feldman, U., Drake, J. J., Schuhle, U., Curdt, W., Wilhelm, K. and Lemaire, P., 1997b, *The Off-Limb Behaviour of the Solar Transition Region FIP Effect*, American Astronomical Society Meeting, 191, 7301.

Lamy, P., Llebaria, A., Koutchmy, S., Reynet, P., Molodensky, M., Howard, R., Schwenn, R., Simnett, G., 1997, *Characterisation of Polar Plumes from LASCO-C2 Images*, Proc. of the Fifth SOHO Workshop, ESA SP-404, 487.

Landi, E., Landini, M., Pike, C. D., Mason, H. E., 1997a, *SOHO CDS-NIS in-flight intensity calibration using a plasma diagnostic method*, Sol. Phys., 175, 553.

Landi, E., Del Zanna, G., Landini, M., Bromage, B.J.I., Breeveld, E.R., and Pike, C.D., 1997b, *GIS calibration study with a plasma diagnostic method*, Proc. of the Fifth SOHO workshop, ESA SP-404, 501.

Landi, E. and Landini, M., 1998a, *The Arcetri Spectral Code for thin plasmas*, Astron. Astrophys. Suppl. Ser., 133, 411.

Landi, E., Del Zanna, G., Breeveld, E. R., Landini, M., Bromage, B. J. I., and Pike, C. D., 1999a, *Relative intensity calibration of CDS-GIS detectors on SOHO using a plasma diagnostic technique*, Astron. Astrophys. Suppl. Ser., 135, 171.

Landi, E., Landini, M., Dere, K.P., Young, P.R.. and Mason, H. E., 1999, *CHIANTI - an atomic database for emission lines III – Continuum radiation and extension of the ion database*, Astron. Astrophys., 135, 339.

Landini, M. and Monsignori Fossi, B. C., 1991, *Ion equilibrium for minor components in a thin plasma*, Astron. Astrophys. Suppl. Ser., 91, 183.

Lang J., B.J. Kent, A.A. Breeveld, E.R. Breeveld, B.J.I. Bromage, J. Hollandt, J. Payne, C.D. Pike and W.T. Thompson, 1999, RAL Technical Report RAL-TR-1999-036.

Loucif, M. L. , 1994, *Giant macrospicules as possible sources of the fast solar wind*, Astron. Astrophys., 281, 95.

Macpherson, K.P., and Jordan, C., 1999, *The anomalous intensities of helium lines in the quiet solar transition region*, Mon. Not. R. Astron. Soc., in press.

Macqueen, R. M., Eddy, J. A., Gosling, J. T., Hildner, E., Munro, R. H., Newkirk, G. A. , Jr., Poland, A. I. and Ross, C. L., 1974, *The outer solar corona as observed from skylab: preliminary results*, Astrophys. J. Letters, 187, L85.

Malinovsky, L. and Heroux, M., 1973, *An analysis of the solar extreme-ultraviolet between 50 and 300 A*, Astrophys. J., 181, 1009.

Mariska, J.T., 1978, *Analysis of extreme-ultraviolet observations of a polar coronal hole*, Astrophys. J., 225, 252.

Mariska, J. T., 1980, *Relative chemical abundances in different solar regions*, Astrophys. J., 235, 268.

Mariska, J. T., 1992, *The solar Transition Region*, Cambridge Astrophysics Series no. 23, Cambridge University Press.

Marsch, E., 1991, in *Physics of the inner Heliosphere*, R. Schwenn and E. Marsch (Eds.), Vol. II, 45.

Marsch, E., Tu, C. Y., 1997, *Solar wind and chromospheric network*, Sol. Phys., 176, 87.

Martin, W. C., and Wiese, W.L., 1996, in *Atomic, Molecular, & Optical Physics Handbook*, ed. by G.W.F. Drake (AIP, Woodbury, NY, 1996) Chapter 10, pp. 135-153.

Masai, K., 1994, *Density dependence of line intensities and application to plasma diagnostic*, J. Quant. Spectrosc. Radiat. Transfer, 51, 211.

Mason, H.E., 1992, in Proc. of the First SOHO Workshop, Annapolis, 25-28 August 1992, ESA SP-348, 297.

Mason, H.E. and Monsignori Fossi, B.C., 1994, *Spectroscopic diagnostics in the VUV for solar and stellar plasmas*, The Astron. Astrophys. Rev., 6, 123.

Mason, H.E., 1995, *The application of atomic physics to the study of solar abundances and their variations*, Adv. Space Res., 15, 53.

Mason H.E., Young P.R., Pike C.D., Harrison R.A., Fludra A., Bromage B.J.I., Del Zanna G., 1997, *Application of Spectroscopic Diagnostics to Early Observations with the SOHO Coronal Diagnostic Spectrometer*, Sol. Phys., 170, 143.

Mazzotta, P., Mazzitelli, G. and Colafrancesco, 1998, *Ionization balance for optically thin plasmas: Rate coefficients for all atoms and ions of the elements H to Ni*, Astron. Astrophys. Suppl. Ser., 133, 403.

Meyer, J.-P., 1985, *Solar-stellar outer atmospheres and energetic particles, and galactic cosmic rays*, Astrophys. J. Suppl. Ser., 57, 173.

Meyer, J.-P., 1993, *Elemental abundances in active region, flares and interplanetary medium*, Adv. Space Res., 13(9), 377.

Meyer, J. P., 1996, *Abundance anomalies in the solar outer atmosphere.* The sun and beyond /edited by J. Tran Thanh Van, L. M. Celnikier, Hua Chon Trung, S. Vauclair, Proceedings of the Second Recontres du Vietnam, October 22-28, 1995. Cedex, France: Editions Frontieres, p. 27.

Monsignori Fossi B.C. and Landini M., 1991, *Models for inner corona parameters*, Adv. Space Res., 11, 281.

Munro, R. H., Withbroe, G. L., 1972, *Properties of a coronal 'Hole' derived from extreme-ultraviolet observations*, Astrophys. J., 176, 511.

Munro, R. H., and B. V. Jackson, 1977, *Physical properties of a polar coronal hole from 2 to 5 Rsun*, Astrophys. J., 213, 874.

Neupert, W. M., and Pizzo, V., 1974, J. Geophys. Res., 79, 3701.

Neupert, W. M. and Kastner, S. O., 1983, *A spectroscopic method for calibration of solar extreme ultraviolet instrumentation*, Astron. Astrophys., 128, 181.

Newton, E. K., Emslie, A. G. and Mariska, J. T., 1995, *The Velocity Differential Emission Measure: Diagnostic of Bulk Plasma Motion in Solar Flares*, Astrophys. J., 447, 915.

Noci, G., Kohl, J. L., Antonucci, E., Tondello, G., Huber, M. C. E., Fineschi, S., Gardner, L. D., Naletto, G., Nicolosi, P., Raymond, J. C., Romoli, M., Spadaro, D., Siegmund, O. H. W., Benna, C., Ciaravella, A., Giordano, S., Michels, J., Modigliani, A., Panasyuk, A., Pernechele, C., Poletto, G., Smith, P. L., and Strachan, L. , 1997, *First results from UVCS/SOHO*, Adv. Space Res., 20, 2219.

Nolte, J. T, Krieger, A. S., Timothy, A. F., Gold, A. F., Roleof, E. C., Vaiana, G. S., Lazarus, A. J., Sullivan, J. D. and McIntosh, P. S., 1976, *Coronal holes as sources of solar wind*, Sol. Phys., 46, 303.

Noyes, R. W.: 1971, in Physics of the Solar Corona, ed. C. J. Macris, D. Reidel Publ. Co., Dordrecht-Holland, p 192

Orrall, F. Q., 1981, A Monograph from the Skylab Solar Workshop I, Solar Active Regions, Colorado Univ. Press.

Penn, M. J. and Kuhn, J. R., 1994, *Ground-based detection of an infrared (Si X) coronal emission line and improved wavelengths for the infrared (Fe XIII) emission lines*, Astrophys. J., 434, 807.

Peter, H. , 1998, *Element fractionation in the solar chromosphere driven by ionization-diffusion processes*, Astron. Astrophys., 335, 691.

Phillips, K. J. H., 1992, *Guide to the sun*, Cambridge University Press.

Phillips, K. J. H., Pike, C. D., Lang, J., Watanabe, T. and Takahashi, M., 1994, *Iron K beta line emission in solar flares observed by Yohkoh and the solar abundance of iron*, Astrophys. J., 435, 888.

Phillips, K. J. H. Pike, C. D. Lang, J., Zarro, D. M., Fludra, A. Watanabe, T. and Takahashi, M., 1995, *Evidence for the equality of the solar photospheric and coronal abundance of iron*, Adv. Space Res., 15, 33.

Phillips, K. J. H., 1997, *Abundances in the solar corona*, Adv. Space Res., 20, 79.

Phillips, K. J. H., Greer, C. J., Bhatia, A. K., Coffey, I. H., Barnsley, R. and Keenan, F. P., 1997b, *Fe XVII X-ray lines in solar coronal and laboratory plasmas*, Astron. Astrophys., 324, 381.

Pinfield, D. J., Mathioudakis, M., Keenan, F. P., Phillips, K. JK. H., and Curdt, W., 1999, Astron. Astrophys., in press.

Pottasch, S.R., 1963, *The lower solar corona: interpretation of the ultraviolet spectrum*, Astrophys. J., 137, 945.

Pottasch, S.R., 1964, *On the interpretation of the solar ultraviolet emission line spectrum*, Space Sci. Rev., 3, 816.

Raymond, J. C. and Doyle, J. G., 1981a, *The energy balance in coronal holes and average quiet-sun regions*, Astrophys. J., 245, 1141.

Raymond, J. C. and Doyle, J. G., 1981b, *The energy balance in coronal holes and average quiet-sun region*, Astrophys. J., 247, 686.

Raymond, J. C., Kohl, J. L., Noci, G., Antonucci, E., Tondello, G., Huber, M. C. E., Gardner, L. D., Nicolosi, P., Fineschi, S., Romoli, M., Spadaro, D., Siegmund, O. H. W., Benna, C., Ciaravella, A., Cranmer, S., Giordano, S., Karovska, M., Martin, R., Michels, J., Modigliani, A., Naletto, G., Panasyuk, A., Pernechele, C., Poletto, G., Smith, P. L., Suleiman, R. M. and Strachan, L., 1997, *Composition of Coronal Streamers from the SOHO Ultraviolet Coronagraph Spectrometer*, Sol. Phys., 175, 645.

Reames, D. V., 1995, *Coronal abundances determined from energetic particles*, Advances in Space Research, 15, 41.

Reeves, E. M. and Parkinson, W. H., 1970, *An Atlas of Extreme-Ultraviolet Spectroheliograms from OSO-IV*, Astrophys. J. Suppl. Ser., 21, 1.

Reeves, E. M., Timothy, J. G., and Huber, M. C. E., 1974, *The photoelectric spectroheliometer on ATM*, Proc. SPIE, 44, 159.

Reeves, E. M., 1976, *The EUV chromospheric network in the quiet sun*, Sol. Phys., 46, 53.

Saba, J. L. R., 1995, *Spectroscopic measurements of element abundances in the solar corona: Variations on the FIP theme*, Advances in Space Research, 15, 13.

Saito, K., 1965, *Polar Rays of the Solar Corona, II.*, Publ. Astr. Soc. Japan, 17, 1.

Schmelz, J. T., 1993, *Elemental abundances of flaring solar plasma: enhanced neon and sulfur*, Astrophys. J., 408, 373.

Schmelz, J. T., Saba, J. L. R., Ghosh, D. and Strong, K. T., 1996, *Anomalous Coronal Neon Abundances in Quiescent Solar Active Regions*, Astrophys. J., 473, 519.

Sheeley, N.R. Jr., 1996, *Elemental abundance variations in the solar atmosphere*, Astrophys. J., 469, 423.

Spitzer, L., 1965, Physics of fully ionized gases, nterscience Tracts on Physics and Astronomy, New York: Interscience Publication.

Storey, P. J., Mason, H. E., Young, P. R., 1999, submitted to Astron. Astrophys..

Sturrock, P.A.: 1980, A Monograph from the Skyab Solar Workshop II, Solar Flares, Colorado Univ. Press

Summers,H.P., Brooks, D.H., Hammond, T.J., Lanzafame, A.C. and Lang, J., 1996, RAL Technical Report RAL-TR-96-017.

Thomas, R. J. and Neupert, W. M., 1994, *Extreme ultraviolet spectrum of a solar active region from SERTS*, Astrophys. J. Suppl. Ser., 91, 461.

Thompson, W.T., 1997, CDS software note No. 49

Timothy, A. F., Krieger, A. S. and Vaiana, G. S., 1975, *The Structure and Evolution of Coronal Holes*, Sol. Phys., 42, 135.

Tsuneta, S., Acton, L., Bruner, M., Lemen, J., Brown, W., Caravalho, R., Catura, R., Freeland, S., Jurcevich, B. and Owens, J., 1991, *The soft X-ray Telescope for the Solar-A mission*, Sol. Phys., 136, 37-67.

Tsuneta S. and Lemen, J.R, 1993, in Physics of Solar and Stellar Corona: G.S. Vaiana memorial symposium, eds J.F. Linsky, S. Serio, 113.

van de Hulst, H. C., 1950, Bull. Astron. Inst. Netherlands, 11, 135.

Veck, N. J. and Parkinson, J. H., 1981, *Solar abundances from X-ray flare observations*, Mon. Not. R. Astron. Soc., 197, 41.

Velli, M., Habbal, S. R. and Esser, R., 1994, *Coronal plumes and final scale structure in high speed solar wind streams*, Space Science Reviews, 70, 391.

Vernazza, J.E., Mason, H.E., 1978, *Density sensitivity of the solar EUV emission from boron-like ions*, Astrophys. J., 226, 720.

Vernazza, J. E. and Reeves, E. M., 1978, *Extreme ultraviolet composite spectra of representative solar features*, Astrophys. J. Suppl. Ser., 37, 485.

Walker, A. B. C. , Jr., Lindblom, J. F., Barbee, T. W. , Jr. and Hoover, R. B., 1988, *Soft X-ray images of the solar corona with a normal-incidence Cassegrain multilayer telescope*, Science, 241, 1781.

Walker, A. B. C. , Barbee, T. W. , Jr., and Hoover, R. B., 1993, in UV and X-Ray Spectroscopy of Astrophysical and Laboratory Plasmas, eds. E.H. Silver, S.M. Kahn, Camb. Univ. Press, p 193.

Wang, Y. -M. and Sheeley, N. R. , Jr., 1993, *Understanding the rotation of coronal holes*, Astrophys. J., 414, 916.

Wang, Y. -M., 1994, *Polar plumes and the solar wind*, Astrophys. J. Letters, 435, L153–L156.

Wang, Y. -M. and Sheeley, N. R. , Jr., 1995a, *Identification of low-latitude coronal plumes in extreme-ultraviolet spectroheliograms*, Astrophys. J., 446, L51-L53.

Wang, Y. -M. and Sheeley, N. R. , Jr., 1995b, *Coronal plumes and their relationship to network activity*, Astrophys. J., 452, 457.

Wang, Y. -M., Sheeley, N. R. , Jr., Dere, K. P., Duffin, R. T., Howard, R. A., Michels, D. J., Moses, J. D., Harvey, J. W., Branston, D. D., Delaboudiniere, J. -P., Artzner, G. E., Hochedez, J. F., Defise, J. M., Catura, R. C., Lemen, J. R., Gurman, J. B., Neupert, W. M., Newmark, J., Thompson, B. and Maucherat, A. , 1997, *Association of Extreme-Ultraviolet Imaging Telescope (EIT) Polar Plumes with Mixed-Polarity Magnetic Network*, Astrophys. J. Letters, 484, L75.

Wang, Y. M., 1998, *Network Activity and the Evaporative Formation of Polar Plumes*, Astrophys. J. Letters, 501, L145-+.

Warren, H. P., Mariska, J. T. and Lean, J., 1998, *A new reference spectrum for the EUV irradiance of the quiet Sun, 1, Emission measure formulation*, J. Geophys. Res., 103, 12077.

Warren, H. P. and Hassler, D. M., 1999, *The density structure of a solar polar coronal hole*, J. Geophys. Res., 104, 9781.

Widing, K. G., Feldman, U. and Bhatia, A. K., 1986, *The extreme-ultraviolet spectrum (300-630 Å) of an erupting prominence observed from Skylab*, Astrophys. J., 308, 982.

Widing, K. G. and Feldman, U., 1989, *Abundance variations in the outer solar atmosphere observed in Skylab spectroheliograms*, Astrophys. J., 344, 1046.

Widing, K. G. and Feldman, U., 1992, *Element abundances and plasma properties in a coronal polar plume*, Astrophys. J., 392, 715.

Widing, K. G. and Feldman, U., 1993, *Nonphotospheric Abundances in a Solar Active Region*, Astrophys. J., 416, 392.

Wilhelm, K. , Marsch, E. , Dwivedi, B. N., Hassler, D. M., Lemaire, P. , Gabriel, A. H. and Huber, M. C. E., 1998, *The Solar Corona above Polar Coronal Holes as Seen by SUMER on SOHO*, Astrophys. J., 500, 1023.

Withbroe, G. L. and Noyes, R. W., 1977, *Mass and energy flow in the solar chromosphere and corona*, *Ann. Rev. Astr. Ap.*, 15, 363.

Withbroe, G. L., 1978, *The thermal phase of a large solar flare*, Astrophys. J., 225, 641.

Withbroe, G. L., Kohl, J. L. and Weiser, H., 1986, *Analysis of coronal H I Lyman-alpha measurements in a polar region of the sun observed in 1979*, Astrophys. J., 307, 381.

Withbroe G.L., 1988, *The temperature structure, mass and energy flow in the corona and inner solar wind*, Astrophys. J., 325, 442.

Woo,R., 1996, *Detection of low-latitude plumes by Ulysses radio ranging measurements*, Astrophys. J. Letters, 464, L95-L98.

Young,P.R. and Mason H.E., 1997, *The Mg/Ne abundance ratio in a recently emerged flux region observed by CDS*, Sol. Phys., 175, 523.

Young, P.R., Landi, E. and Thomas R.J., 1998, *CHIANTI: an atomic database for emission lines II. Comparison with the SERTS-89 active region spectrum*, Astron. Astrophys., 329, 291.