%PDF-1.4 %• 4 0 obj (1 Introduction and Sample) endobj 5 0 obj << /D (section.2) /S /GoTo >> endobj 8 0 obj (2 Data Reduction) endobj 9 0 obj << /D (section.3) /S /GoTo >> endobj 12 0 obj (3 X-ray Images and Ultraluminous X-ray Sources) endobj 13 0 obj << /D (section.4) /S /GoTo >> endobj 16 0 obj (4 Spectral Modeling) endobj 17 0 obj << /D [18 0 R /Fit] /S /GoTo >> endobj 21 0 obj << /Filter /FlateDecode /Length 2404 >> stream [binary stream data]

[illegible]

endobj 137 0 obj
endobj 138 0 obj
endobj 139 0 obj
endobj 140 0 obj
endobj 141 0 obj
<< /Filter /FlateDecode /Length 14369 /Length1 1864 /Length2 13207 /Length3 0 >> stream
endstream endobj 142 0 obj
endobj 143 0 obj << /Filter /FlateDecode /Length 14147 /Length1 1944 /Length2 12954 /Length3 0 >> stream
mNoendstream endobj 144 0 obj << /Type /FontDescriptor /Ascent 694 /CapHeight 686 /CharSet (/A/B/D/G/I/L/M/R/S/U/X/a/b/c/d/e/f/four/g/h/hyphen/i/k/l/m/n/o/one/p/r/s/t/three/two/u/w/x/y) /Descent -194 /Flags 4 /FontBBox [-53 -251 1139 750] /FontFile 143 0 R /FontName /XFZDBO+CMBX12 /ItalicAngle 0 /StemV 109 /XHeight 444 >> endobj 145 0 obj << /Filter /FlateDecode /Length 8806 /Length1 1584 /Length2 7752 /Length3 0 >> stream
endstream endobj 146 0 obj << /Type /FontDescriptor /Ascent 694 /CapHeight 683 /CharSet (/L/M/N/alpha/chi/greater/less/mu/period/sigma/slash) /Descent -194 /Flags 4 /FontBBox [-32 -250 1048 750] /FontFile 145 0 R /FontName /AOINKH+CMMI10 /ItalicAngle -14 /StemV 72 /XHeight 431 >> endobj 147 0 obj << /Filter /FlateDecode /Length 7673 /Length1 1475 /Length2 6673 /Length3 0 >> stream

endobj 145 0 obj << /Filter /FlateDecode /Length 24425 /Length1 2691 /Length2 22910 /Length3 0 >> stream
endstream endobj 150 0 obj << /Type /FontDescriptor /Ascent 694 /CapHeight 683 /CharSet (/A/B/C/D/E/F/G/Gamma/H/I/J/K/L/M/N/O/P/R/S/T/U/V/W/X/Y/Z/a/acute/ampersand/b/bracketleft/bracketright/c/colon/comma/d/dotlessi/e/eight/endash/equal/f/ff/fi/five/fl/four/g/h/hyphen/i/j/k/l/m/n/nine/o/one/p/parenleft/parenright/period/quoteright/r/ring/s/semicolon/seven/six/slash/t/three/tilde/two/u/v/w/x/y/z/zero) /Descent -194 /Flags 4 /FontBBox [-40 -250 1009 750] /FontFile 149 0 R /FontName /JJQJDX+CMR10 /ItalicAngle 0 /StemV 69 /XHeight 431 >> endobj 151 0 obj << /Filter /FlateDecode /Length 9896 /Length1 1601 /Length2 8839 /Length3 0 >> stream

endobj 153 0 obj << /Filter /FlateDecode /Length 13163 /Length1 1814 /Length2 12018 /Length3 0 >> stream
endstream endobj 154 0 obj << /Type /FontDescriptor /Ascent 694 /CapHeight 683 /CharSet (/A/B/G/I/L/M/P/R/S/X/a/c/d/e/f/g/h/hyphen/i/l/n/o/period/r/s/t/u/x/y) /Descent -194 /Flags 4 /FontBBox [-62 -250 1123 750] /FontFile 153 0 R /FontName /MMYYWG+CMSL10 /ItalicAngle -9 /StemV 79 /XHeight 431 >> endobj 155 0 obj << /Filter /FlateDecode /Length 7449 /Length1 1445 /Length2 6267 /Length3 0 >> stream
endstream endobj 156 0 obj << /Type /FontDescriptor /Ascent 750 /CapHeight 683 /CharSet (/multiply/plusminus/similar) /Descent -194 /Flags 4 /FontBBox [-29 -960 1116 775] /FontFile 155 0 R /FontName /FVXUCM+CMSY10 /ItalicAngle -14 /StemV 40 /XHeight 431 >> endobj 157 0 obj << /Filter /FlateDecode /Length 7153 /Length1 1415 /Length2 6189 /Length3 0 >> stream
endstream endobj 158 0 obj << /Type /FontDescriptor /Ascent 750 /CapHeight 683 /CharSet (/circledot/minus) /Descent -194 /Flags 4 /FontBBox [-30 -955 1185 779] /FontFile 157 0 R /FontName /VXAZQP+CMSY8 /ItalicAngle -14 /StemV 46 /XHeight 431 >> endobj 159 0 obj << /Filter /FlateDecode /Length 11824 /Length1 1653 /Length2 10754 /Length3 0 >> stream

endstream endobj 162 0 obj << /Type /FontDescriptor /Ascent 611 /CapHeight 611 /CharSet (/a/at/c/d/e/f/g/h/i/m/n/o/p/period/r/s/t) /Descent -222 /Flags 4 /FontBBox [-4 -233 537 696] /FontFile 161 0 R /FontName /GHHIBY+CMTT10 /ItalicAngle 0 /StemV 69 /XHeight 431 >> endobj 25 0 obj << /Type /Font /Subtype /Type1 /BaseFont /ODKCDR+CMBX10 /FirstChar 16 /FontDescriptor 142 0 R /LastChar 122 /Widths 139 0 R >> endobj 24 0 obj
<< /Type /Font /Subtype /Type1 /BaseFont /XFZDBO+CMBX12 /FirstChar 45 /FontDescriptor 144 0 R /LastChar 121 /Widths 140 0 R >> endobj 31 0 obj << /Type /Font /Subtype /Type1 /BaseFont /AOINKH+CMMI10 /FirstChar 11 /FontDescriptor 146 0 R /LastChar 78 /Widths 134 0 R >> endobj 27 0 obj
<< /Type /Font /Subtype /Type1 /BaseFont /FKGLHM+CMMI8 /FirstChar 58 /FontDescriptor 148 0 R /LastChar 116 /Widths 137 0 R >> endobj 28 0 obj << /Type /Font /Subtype /Type1 /BaseFont /JJQJDX+CMR10 /FirstChar 0 /FontDescriptor 150 0 R /LastChar 126 /Widths 136 0 R >> endobj 26 0 obj
<< /Type /Font /Subtype /Type1 /BaseFont /EFGCAY+CMR8 /FirstChar 48 /FontDescriptor 152 0 R /LastChar 107 /Widths 138 0 R >> endobj 64 0 obj << /Type /Font /Subtype /Type1 /BaseFont /MMYYWG+CMSL10 /FirstChar 45 /FontDescriptor 154 0 R /LastChar 121 /Widths 130 0 R >> endobj 34 0 obj
<< /Type /Font /Subtype /Type1 /BaseFont /FVXUCM+CMSY10 /FirstChar 2 /FontDescriptor 156 0 R /LastChar 24 /Widths 131 0 R >> endobj 33 0 obj << /Type /Font /Subtype /Type1 /BaseFont /VXAZQP+CMSY8 /FirstChar 0 /FontDescriptor 158 0 R /LastChar 12 /Widths 132 0 R >> endobj 32 0 obj
<< /Type /Font /Subtype /Type1 /BaseFont /NQWIVR+CMTI10 /FirstChar 45 /FontDescriptor 160 0 R /LastChar 122 /Widths 133 0 R >> endobj 29 0 obj << /Type /Font /Subtype /Type1 /BaseFont /GHHIBY+CMTT10 /FirstChar 46 /FontDescriptor 162 0 R /LastChar 116 /Widths 135 0 R >> endobj 35 0 obj
<< /Type /Pages /Count 5 /Kids [18 0 R 61 0 R 69 0 R 100 0 R 114 0 R] >> endobj 163 0 obj << /Type /Outlines /Count 4 /First 3 0 R /Last 15 0 R >> endobj 15 0 obj << /A 13 0 R /Parent 163 0 R /Prev 11 0 R /Title 16 0 R >> endobj 11 0 obj << /A 9 0 R /Next 15 0 R /Parent 163 0 R /Prev 7 0 R /Title 12 0 R >> endobj 7 0 obj << /A 5 0 R /Next 11 0 R /Parent 163 0 R /Prev 3 0 R /Title 8 0 R >> endobj 3 0 obj << /A 1 0 R /Next 7 0 R /Parent 163 0 R /Title 4 0 R >> endobj 164 0 obj << /Limits [(Doc-Start) (cite.Farrah2007)] /Names [(Doc-Start) 23 0 R (cite.AAH06s) 119 0 R (cite.Caputi2007) 120 0 R (cite.Daddi2007) 121 0 R (cite.Donley2008) 122 0 R (cite.Farrah2007) 123 0 R] >> endobj 165 0 obj << /Limits [(cite.Kennicutt1998) (cite.Swartz2004)] /Names [(cite.Kennicutt1998) 124 0 R (cite.LeFloch2005) 125 0 R (cite.PPG2005) 126 0 R (cite.Rujopakarn2010) 127 0 R (cite.Soifer2000) 128 0 R (cite.Swartz2004) 129 0 R] >> endobj 166 0 obj << /Limits [(figure.1) (page.4)] /Names [(figure.1) 65 0 R (figure.2) 103 0 R (page.1) 22 0 R (page.2) 63 0 R (page.3) 71 0 R (page.4) 102 0 R] >> endobj 167 0 obj << /Limits [(page.5) (section.2)] /Names [(page.5) 116 0 R (section*.1) 30 0 R (section*.2) 117 0 R (section*.3) 118 0 R (section.1) 2 0 R (section.2) 6 0 R] >> endobj 168 0 obj << /Limits [(section.3) (section.4)] /Names [(section.3) 10 0 R (section.4) 14 0 R] >> endobj 169 0 obj << /Kids [164 0 R 165 0 R 166 0 R 167 0 R 168 0 R] /Limits [(Doc-Start) (section.4)] >> endobj 170 0 obj << /Dests 169 0 R >> endobj 171 0 obj
<< /Type /Catalog /Names 170 0 R /OpenAction 17 0 R /Outlines 163 0 R /PageMode /UseOutlines /Pages 35 0 R >> endobj 172 0 obj << /Author () /CreationDate (D:20101116011049Z) /Creator (LaTeX with hyperref package) /Keywords () /ModDate (D:20101116011049Z) /PTEX.Fullbanner (This is pdfTeX, Version 3.1415926-1.40.10-2.2 \(TeX Live 2009\) kpathsea version 5.0.0) /Producer (pdfTeX-1.40.10) /Subject () /Title () /Trapped /False >> endobj 1 0 obj << /D (section.1) /S /GoTo >> endobj 173 0 obj << /Filter /FlateDecode /Length 108 >> stream endstream endobj 174 0 obj << /Type /Font /Subtype /Type1 /BaseFont /Times-Roman /Name /arXivStAmP >> endobj xref 0 175 0000000000 65535 f 0000343610 00000 n 0000019028 00000 n 0000342021 00000 n 0000000012 00000 n 0000000055 00000 n 0000023062 00000 n 0000341937 00000 n 0000000100 00000 n 0000000134 00000 n 0000023118 00000 n 0000341851 00000 n 0000000179 00000 n 0000000244 00000 n 0000198473 00000 n 0000341776 00000 n 0000000290 00000 n 0000000328 00000 n 0000002855 00000 n 0000002984 00000 n 0000019083 00000 n 0000000378 00000 n 0000018852 00000 n 0000018909 00000 n 0000340192 00000 n 0000340049 00000 n 0000340760 00000 n 0000340477 00000 n 0000340619 00000 n 0000341468 00000 n 0000018966 00000 n 0000340335 00000 n 0000341325 00000 n 0000341185 00000 n 0000341044 00000 n 0000341611 00000 n 0000004159 00000 n 0000004321 00000 n 0000004358 00000 n 0000004527 00000 n 0000004574 00000 n 0000004606 00000 n 0000004658 00000 n 0000004691 00000 n 0000004733 00000 n 0000004752 00000 n 0000004772 00000 n 0000007486 00000 n 0000007732 00000 n 0000007912 00000 n 0000008473 00000 n 0000008494 00000 n 0000018810 00000 n 0000018830 00000 n 0000025913 00000 n 0000076562 00000 n 0000022640 00000 n 0000022823 00000 n 0000122204 00000 n 0000122386 00000 n 0000023175 00000 n 0000022497 00000 n 0000019308 00000 n 0000023005 00000 n 0000340901 00000 n 0000122988 00000 n 0000122568 00000 n 0000122749 00000 n 0000123050 00000 n 0000025756 00000 n 0000023329 00000 n 0000122931 00000 n 0000032176 00000 n 0000032385 00000 n 0000032431 00000 n 0000057759 00000 n 0000071810 00000 n 0000072206 00000 n 0000072366 00000 n 0000072727 00000 n 0000072823 00000 n 0000073051 00000 n 0000073145 00000 n 0000075936 00000 n 0000082913 00000 n 0000083122 00000 n 0000083168 00000 n 0000106293 00000 n 0000117555 00000 n 0000117949 00000 n 0000118109 00000 n 0000118472 00000 n 0000118568 00000 n 0000118796 00000 n 0000118890 00000 n 0000121578 00000 n 0000125689 00000 n 0000161766 00000 n 0000198233 00000 n 0000198595 00000 n 0000125551 00000 n 0000123243 00000 n 0000198414 00000 n 0000198531 00000 n 0000161382 00000 n 0000161563 00000 n 0000161610 00000 n 0000161700 00000 n 0000197835 00000 n 0000198016 00000 n 0000198063 00000 n 0000198153 00000 n 0000200264 00000 n 0000201309 00000 n 0000200124 00000 n 0000198788 00000 n 0000200484 00000 n 0000200543 00000 n 0000200602 00000 n 0000200661 00000 n 0000200720 00000 n 0000200779 00000 n 0000200838 00000 n 0000200896 00000 n 0000200955 00000 n 0000201014 00000 n 0000201073 00000 n 0000201132 00000 n 0000201191 00000 n 0000201250 00000 n 0000201416 00000 n 0000201852 00000 n 0000202002 00000 n 0000202101 00000 n 0000202572 00000 n 0000202959 00000 n 0000203264 00000 n 0000203968 00000 n 0000204341 00000 n 0000204721 00000 n 0000205332 00000 n 0000205787 00000 n 0000220271 00000 n 0000220581 00000 n 0000234843 00000 n 0000235156 00000 n 0000244075 00000 n 0000244348 00000 n 0000252134 00000 n 0000252374 00000 n 0000276914 00000 n 0000277446 00000 n 0000287455 00000 n 0000287729 00000 n 0000301007 00000 n 0000301296 00000 n 0000308658 00000 n 0000308907 00000 n 0000316173 00000 n 0000316410 00000 n 0000328349 00000 n 0000328612 00000 n 0000339791 00000 n 0000341702 00000 n 0000342092 00000 n 0000342312 00000 n 0000342558 00000 n 0000342726 00000 n 0000342908 00000 n 0000343016 00000 n 0000343125 00000 n 0000343163 00000 n 0000343290 00000 n 0000343655 00000 n 0000343836 00000 n trailer << /ID [<6e95d1ea9d060b6353c54b3be7711d61>] /Info 172 0 R /Root 171 0 R /Size 175 >> startxref 343928 %%EOF