M Seeing: O.Th swing Comments UT Date: 2011 Jag 06 Page: \_ Conditions: Off : Heather 29.0-29.0-CCD Focus -0.62 Filter 1 28/158 831/8200 (w/300 600/1500 eat) 6550 Grating  $\lambda_c$  (Å) 6750 635 1 ` 9 ٤ Keck/LRIS-R&B Logsheet  $oldsymbol{\ell} \mathcal{E} D$ Grism H.A. Slitmask Dichroic 10/1.4 1.30 44,10 0.7 560 500 100 tio 260 ~ ز 6.7 1200 05.49 1.40 36.3 0.71 ~ s -46.50 05:01 1.18 134.2 -~ Exp (s) LST/UT Airmass 1.2% 72 82.1 ps: 90 0001 R 15 06:33 1, 26 05:38 в --<sup>8</sup>90 04355th 30 Peye 110 - 1131 solup " 38 Tege 110 are ", flat tly " 2 Target かってな HEO(135 GRB SN 231-32 1150435 7 \_\_ Data directory: 226 225 230 3 यर 22 n477 228 23 22.3 #sqO Project: 235

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Cloud the trad expanse Started binning 2x1 Seeing: Comments CCD Focus ft>22-8 -0.03  $\widetilde{\ \ }$ <u>۔</u> •--= = \_ = = 7 Ξ -Ξ = = Conditions: Filter UT Date: \_ 600/3500 6710 0052/009 Grating  $\lambda_c$  (Å) 6710 ¥ 1 ٠ = ۲ s 3 ب = 3 3 7 <u>ئ</u> 3 Keck/LRIS-R&B Logsheet Slitmask Dichroic Grism 260 600 = \* ţ 3 260 ~ ) ) ₹ = ς J = = 2 0. = -Ö, = 5 J س = H.A. SkyPA 312.9 163 09:36 1.32 26.3 3 ک 7 # 3 ş Exp (s) LST/UT Airmass 1200 08:14 1.18 Pgo 10:39 1.54 10: 04 1. 40 19 <u>%</u> 9 25 900 <sup>1</sup>7 ि 282 flat a 043584th erc 2/6 251-50 0935 54+2 Jest exposure " 24 - 23 HE 0435 Target HE 0435 1 t'15 scho حر ~ **×** Data directory: R239 100 349 25.6 2/10 。ペンプ #sqO F237 P 244 738 372 B Project: 982ª <sup>1</sup>2/5S

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Seeing: Comments Seeing 1.2 Binking 2x1 CCD Focus -0.658 -0.63 -0.66 ۵ 7 \_ ی z Conditions: Filter UT Date: ١ 1 1 ١ ١ 600/7500 600/7500 \$00/130 6550 Grating  $\lambda_c$  (Å) 1259 6709 Ξ = = 5 Keck/LRIS-R&B Logsheet H.A. Slitmask Dichroic Grism 1131 500 500 1.0 560 = \_~ ت \_~ 74 <u>-</u> = 1131 Ĵ 5 = 3 11:19 1.96 312.9 1200 11:57 1.68 186.1 13:59 1,22 286.1 3 -~ Ξ = Exp (s) LST/UT Airmass 12 Flat 10 R:41 1.41 1700 12:45 1.41 <u>~</u> 1200 14.45 1200 I 900 told .. 9 0435 51,+3 254-51 1131m3 Target MIRA 261-262 113 Iny 258-260 1131 m3 268-270 Bias Ξ Data directory: 265-767 757 263 Project: \_ 797 #sqO £57 " 150

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