Call: gam(formula = jg ~ s(wd) + s(jd) + s(jl) + s(wcl) + s(wcrw),

data = data)

Deviance Residuals:

Min 1Q Median 3Q Max

-7.4492 -0.7396 -0.1796 0.3772 11.7634

(Dispersion Parameter for gaussian family taken to be 5.0219)

Null Deviance: 8816.673 on 1119 degrees of freedom

Residual Deviance: 5519.019 on 1099 degrees of freedom

AIC: 5008.678

Number of Local Scoring Iterations: 6

Anova for Parametric Effects

Df Sum Sq Mean Sq F value Pr(>F)

s(wd) 1 82.0 82.011 16.3309 5.689e-05 \*\*\*

s(jd) 1 265.0 264.989 52.7671 7.101e-13 \*\*\*

s(jl) 1 19.9 19.896 3.9620 0.04679 \*

s(wcl) 1 22.5 22.529 4.4862 0.03439 \*

s(wcrw) 1 3.6 3.595 0.7159 0.39767

Residuals 1099 5519.0 5.022

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Anova for Nonparametric Effects

Npar Df Npar F Pr(F)

(Intercept)

s(wd) 3 43.126 < 2.2e-16 \*\*\*

s(jd) 3 50.196 < 2.2e-16 \*\*\*

s(jl) 3 4.831 0.002404 \*\*

s(wcl) 3 1.075 0.358651

s(wcrw) 3 0.320 0.810715

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1